GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MAGNETIC, METEOROLOGICAL AND SEISMOGRAPHIC OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORIES,

BOMBAY AND ALIBAG

IN THE YEAR

1924

UNDER THE DIRECTION OF

S. K. BANERJI, D.Sc.

Published by Authority of the Government of India.

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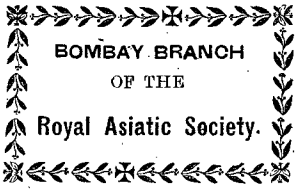

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INTRODUCTION.

The present volume on the magnetic, meteorological and seismographic observations made at the Government Observatories, Bombay and Alibag, during the year 1924, is the forty-sixth volume of its kind and extends the record of continuous meteorological and magnetic observations to a period of seventy-nine years and of seismographic observations to a period of twenty-six years. The transference of magnetic work from Colaba to Alibag in 1904, due to the city of Bombay having decided to have electric tram service, caused a certain amount of discontinuity in the magnetic records, which had run uninterruptedly at Colaba for about sixty years, but as comparative observations could be taken at both the stations for a period of two years before the electric tram lines were completed and the service had commenced its operations, the 'discontinuity' could be calculated and allowed for. Although the Observatory has been tabulating the hourly values of all the magnetic and meteorological elements since 1873, the daily means only were published up to 1920. It was considered that this Observatory, like similar institutions elsewhere, should publish the hourly values of all the important elements, but this could not be arranged without appreciably increasing the cost of printing. A less ambitious scheme was adopted and the bihourly values of all the magnetic and meteorological elements were published in the volumes for the years 1921, 1922 and 1923. On the recommendation of the Observatories' Committee of the Royal Society, sanction was, however, recently accorded for printing the hourly values. This volume therefore marks the first of a new series which will give the hourly values of all the elements and thus furnish as much information as investigators might desire to have from the autographic records of this Observatory. The hourly values of the elements represent their momentary values after each interval of full one hour. It is obvious that a better representation of these elements, when they are rapidly fluctuating, would be obtained from the average values of these elements during every hour. But the Observatory had all along tabulated the momentary values and the change had to be deferred till 1925 when satisfactory arrangements were made for the computation of the average values.

The Colaba Observatory is situated almost at the extreme south end of the narrow ridge of land extending about three miles to the south-west of the Port of Bombay and separating the Harbour from the Back Bay. The level of the Observatory compound is about 32 feet above the mean level of the sea.

The astronomical co-ordinates* giving the position of the Colaba Observatory are :—

Latitude	18° 53′ 36·18″ N.
Longitude	72° 48′ 54·03″ E.

The Alibag Magnetic Observatory is situated on the mainland about 18 miles south-south-east of Bombay, and its astronomical co-ordinates are—

Latitude	18° 38′ 17″ N.
Longitude	72° 52′ 21″ E.

For a general description of the buildings and instruments in both the Observatories see "Magnetical, Meteorological and Seismographic Observations made at the Government Observatories, Bombay and Alibag, 1906 to 1910," and also the similar volume for 1916-20.

Unless otherwise stated, all times given in this volume refer to local mean time.

System of observation at Colaba.

Meteorological observations are taken every day, including Sundays, at the hours 6, 10, 14, 16 and 22 : the day commencing at midnight, Bombay (Colaba), is reckoned from 0 to 24. The time of observation of each element is fixed and the observations are registered with strict punctuality as follows :—

From 5 minutes to the hour to 2 minutes after the hour.	Extent and description of clouds, state of weather, occasional phenomena and direction of the wind.
At 2 minutes after the hour	Thermograph standard thermometer, dry-bulb. Thermograph standard thermometer, wet-bulb.
At 3 minutes after the hour	Newman's rain-gauge (in wet season).
From 5 minutes after the hour to 7 minutes after the hour.	Surface thermometer in shade 1 inch deep. Surface thermometer in shade, 9 inches deep.

*Magnetic, Meteorological and Seismographic observations made in the Government Observatories, Bombay and Alibag, 1923, p. 1.

From 7 minutes after the hour to 9 minutes after the hour. { Newman's standard barometer No. 58 and attached thermometer. / Newman's standard barometer No. 48 and attached thermometer.

At 10 minutes after the hour . Thermometer attached to barograph.

At 19 minutes after the hour . Surface thermometers in the sun, 1 and 8 inches deep.

For the weather service of the meteorological department, an additional meteorological observation is taken at 8 hrs. Observations with nephoscope are taken at $8\frac{1}{2}$, $12\frac{1}{2}$, $16\frac{1}{2}$ hrs. every day.

The maximum and minimum thermometers in the thermometer shed, as also the solar radiation thermometer, are read twice daily at 8 and 16 hours.

Observations made once daily include readings of (1) the ground thermometers in shade 20, 60 and 132 inches deep, made at 14 hours, and (2) the nocturnal radiation thermometer, made at 8 hrs. During the monsoon months, Newman's rain-gauge is read daily at midnight and the discharges of the syphon of the self-registering pluviograph are also read once or oftener as required.

A standard Stevenson Screen was installed in the open space to the south-west of the thermograph shed and comparative observations of the thermometers in the screen, the thatched shed and the thermograph shed were made with an Assmann Psychrometer from August, 1924. The following table gives the results of comparative observations of Dry and Wet temperatures in Stevenson Screen, Thatched Shed and Thermograph Shed, taken during the years 1924 to 1928 :—

Height of thermometers above ground in different sheds :—

Stevenson Screen—Dry-bulb . . . 4′ $4\frac{1}{2}$″ ; Wet bulb . 4′ 4″
Thatched Shed— „ „ . . . 4′ 8″ ; „ „ . 4′ $7\frac{1}{2}$″
Thermograph Shed—„ „ . . . 10′ ; „ „ . 10′

Mean 1924-28.	Thermometer.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Stev. Screen minus Thatched Shed	D. B.	−0·4	−0·6	−0·6	−0·3	−0·1	+0·1	+0·2	+0·1	−0·1	−0·2	−0·1	−0·2	−0·2
	W. B.	−0·9	−0·7	−0·7	−0·4	−0·3	−0·2	0·0	−0·1	−0·2	−0·4	−0·5	−0·6	−0·4
Stev. Screen minus Thermo. Shed	D. B.	+0·3	+0·1	+0·2	+0·3	+0·4	+0·2	+0·2	+0·2	+0·3	+0·2	+0·2	+0·3	+0·2
	W. B.	−0·2	−0·2	−0·3	−0·2	−0·2	0·0	+0·2	0·0	+0·1	−0·1	−0·3	−0·2	−0·1
Thermo. Shed minus Thatched Shed	D. B.	−0·7	−0·7	−0·8	−0·7	−0·4	−0·1	0·0	−0·2	−0·4	−0·4	−0·4	−0·5	−0·4
	W. B.	−0·6	−0·6	−0·4	−0·2	−0·1	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·4	−0·3

The differences are due partly to the different exposures of the thermometers and partly to different heights of their bulbs above the ground.

Observations of pilot balloons for the measurement of the strengths and directions of upper air currents which were started on the 23rd April 1923, were continued throughout the year. The results are published in the ‘Pilot Balloon Data, India’.

The electric clock controlling the drop of the time balls is duly regulated thrice every day by comparison with the standard sidereal clocks, two Riefflers and one Kulberg. Government chronometers, belonging to the Royal Indian Marine and the Royal Navy at the Observatory Depot are wound daily or twice a week as required and comparisons with the standard clock are made with sufficient frequency to render the instruments always ready for issue at call with well determined rates.

Transit observations of stars for the determination of time for obtaining the errors and the rates of the sidereal clocks were made every Monday, Wednesday and Friday in the dry months of the year. During the monsoon months, no opportunity was lost for observing either the sun or the stars whenever visible. The adjustment of the transit instrument in azimuth was tested frequently by reference to the fixed meridian collimator marks, and level errors were tested and checked once every month. Errors of collimation, level and azimuth were determined once every month except during the monsoon months,

A Marconi 7-valve wireless receiver was installed in September 1924 in the clock room and regular observations of the time signals broadcasted from Calcutta, Eiffel Tower and Nauen began from October, 1924.

Observations of magnetic declination are made once every month at Colaba about the 15th of each month. The mean of the differences between the observed absolute values of declination at Colaba and Alibag, from 1906 to 1927, is 53'·0, which roughly agrees with the conclusion that, at Alibag, easterly declination stands higher by 53'·5 than at Colaba made originally from the results of 2 years' comparative observations taken at the two stations and published on page *ii* of the Observatory Volume for the years 1906—1910.

System of observation at Alibag.

Eye observations of the instruments specified below are taken daily, Sundays included, at 6, 10, 14, 16 and 22 hrs. at the specified instants of time about the full hour of Greenwich mean time :—

At	19 minutes to the hour .	Kew Horizontal Force Magnetometer and attached thermometer.
„	17 „ „ „ .	Kew Vertical Force Magnetometer and attached thermometer.
„	15 „ „ „ .	Declination Magnetometer and thermometer in the Magnetometer room.
„	11 „ „ „ .	Eschenhagen's Vertical Force Variometer and attached thermometer.
„	10 „ „ „ .	Watson's Vertical Force Magnetograph and attached thermometer.
„	9 „ „ „ .	Watson's Declination Magnetograph.
„	8 „ „ „ .	Watson's Horizontal Force Magnetograph and attached thermometer.
„	7 „ „ „ .	Eschenhagen's Horizontal Force Variometer and attached thermometer.
„	6 „ „ „ .	Thermograph in the Magnetograph room and standard thermometer (read twice daily at 6 and 16 hrs. only).

Deflection experiments, with vibration magnet of magnetometer No. 137, the moment of which is determined every week, as deflector at a distance of 100 cms. on the horizontal force magnetograph and at a distance of 75 cms. on the vertical force magnetograph, are made once every fortnight. Similar deflection experiments with vibration magnet of magnetometer No. 3 as deflector are made once a month for the purposes of check work and corresponding deflection experiments at the same distance are also made every month by the same deflector upon a magnet appropriately suspended over the pillar on the ground floor of the magnetometer tower.

Deflection experiments, with vibration magnet No. 137 as deflector at a distance of 100 cms. on the Eschenhagen's horizontal force variometer, and at a distance of 75 cms. on the Eschenhagen's vertical force variometer, are also made once a fortnight.

Observations of vibration and deflection for the determination of absolute horizontal force are made with the Observatory standard instrument No. 7 on Wednesdays and with the auxiliary instrument No. 3 with magnets belonging to magnetometer No. 137 on Mondays. With the same instruments observations of absolute declination are taken every Thursday. Observations of inclination are made with the Schulze's Inductor, which is the Observatory standard instrument, and another inductor by Otto Toepfer every day in the year with the exception of Sundays and holidays. Each of the two inductor instruments is ordinarily observed on alternate days, but for check work both the instruments are observed simultaneously on Fridays.

Transit observations of stars for the determination of time are made generally on Tuesdays and Fridays in the dry months; during the monsoon months, no opportunity is lost of observing the sun or stars whenever visible. The adjustments of the transit instrument are frequently tested by reference to the fixed collimator marks and by level observations; the residual errors of collimation, level and azimuth are determined once every month except during the monsoon months.

Meteorological instruments.

1. *Standard Barometer.*—The barometer is by Newman (No. 58) and has been in uninterrupted use since the establishment of the Observatory. It reads on an average 0·004″ below the Kew Standard and 0·012″ below the old Calcutta standard barometer. The height of the barometer is 37 feet above the mean sea-level. A subsidiary standard barometer, Newman No. 48, has also been maintained in the underground constant temperature room, and its reading exceeds that of the standard barometer by ·001″.

2. *Barograph.*—The instrument is of the Kew pattern and is installed in the underground constant temperature room and the variation of pressure is recorded photographically. In accordance with a long-established practice, the tabulations have been made at 7 minutes after the full hour of the local mean time in order that the time may correspond to the instant for which the hourly normals have been calculated from past observations. The barograph has been treated, as in the past, as an independent instrument in respect of the variation of pressure occurring in the course of a day, but the mean of the excesses of the five observations of the standard barometer made on any day over the corresponding barograph tabulations has been applied as a common correction to all the tabulated hourly readings of the day.

3. *Standard Dry bulb and Wet bulb Thermometers.*—On the 26th November 1917, the freezing points were tested and the zero of the dry bulb standard thermometer No. 401 was found to have changed from 32°·6 to 33°·0 F. and that of the wet bulb standard thermometer No. 402 from 32°·5 to 33°·0 F. These thermometers were again tested on the 3rd February 1926 and the corrections of the thermometers were found to be the same as those determined in 1917.

4. *Kew Dry bulb and Wet bulb Thermograph.*—The bulbs of the thermograph thermometers are placed close to those of the standard dry and wet bulb thermometers in a large double louvre shed. The tabulations of the thermograms have been made at 2 minutes after the full hour of local mean time in order that the instant may agree with that of the hourly normals of temperature. The tables of air temperature have been obtained from the tabulations of dry bulb and of humidity from dry and wet bulb thermograms. The mean differences between the readings of standard dry and wet bulb thermometers described in the preceding para. and the corresponding readings of the thermograms for the year 1924 were 0°·17 and 0°·09 respectively, and were neglected.

5. *Ground thermometers.*—These thermometers are installed in the standard thatched-shed with their bulbs at the depths of 1, 9, 20, 60 and 132 inches respectively below the surface. Ground thermometers No. 3246 by Munro and No. 12689 by Casella are placed exposed to the sun in the rain-gauge enclosure with their bulbs at the depths of one inch and eight inches respectively below the surface. The thermometer No. 12689 was accidentally broken on the 28th March 1925 and was replaced by thermometer No. 20930.

6. *Robinson-Beckley's Anemograph.*—This anemograph is of the kind designed by Robinson, with improvements by Robert Beckley. It is erected on the old Time Ball Tower, with its cups at a height of 58 feet above the ground, and 100 feet above the mean sea-level. The centres of each pair of opposite hemi-spherical cups are four feet apart, and the diameter of each of the cups is 9 inches. The diameter of the vanes of the direction recorder is 15 inches and the breadth of the fans 4 inches.

7. *Dines' Anemograph, 1897 (velocity).*—The head-vane has been placed on the old Time Ball Tower at a distance of 6 feet from the Robinson-Beckley's cups and 6 inches above their level. The comparison of this instrument with a U-tube pressure gauge, showed on the results of a series of experiments, that the relation between W, the difference in level of the water in inches in the two arms of the U-tube, which is a measure of the pressure of wind, and V, the velocity of wind in miles per hour as indicated in the Colaba Dines' chart, was $W = \cdot00078\ V^2$ instead of $W = \cdot00073\ V^2$, which should have been the correct relation if the instrument was in order and in perfect adjustment. The results showed that this Dines' instrument recorded only 96 per cent. of the true velocity.

8. *Dines' Anemograph, 1924 (velocity and direction).*—A Dines' anemograph, with both velocity and direction recorders, by R. W. Munro and Co., was received in 1923 and installed on the Time Ball Tower in January, 1924. With a view to get the best possible exposure, its modern type T-shaped head-vane was placed on the top of a telegraph post 32½ feet high, fixed on the Tower at a distance of 3 feet from the cups of the Robinson-Beckley's anemograph. The vane was therefore 27 feet above the level of Robinson-Beckley's cups and 127 feet above the mean sea-level. The diameter of the post near the Beckley's cups is 8 inches and it does not therefore exercise any appreciable influence on the records of Robinson-Beckley. This is due to the fact that in a current of air flowing past a fixed cylindrical obstacle, the stream lines, although they get deformed near the

obstacle, assume again very nearly the original configuration at a distance from the obstacle equal to its diameter, and at this distance the velocity of the air current, too, attains its original value. The results of a series of comparisons of this instrument with a U-tube pressure-gauge showed that W, the difference in level of water in inches in the two arms of the U-tube, which is a measure of the pressure exerted by the wind, and V, the velocity of the wind in miles per hour as indicated in the charts, practically obey the standard law, namely, $W = \cdot 000731\ V^2$.

The height of the vane of this anemometer is about 26 feet above that of the old Dines'. On account of this greater height, this instrument records a larger velocity of wind, and smaller gustiness, the types of the records by the two instruments being however identical. The following table gives the results of the comparative observations during 1924-27 of the three wind instruments :—

Ratio of Wind Velocities (1924-27).	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means. October to February.	Means. March to May.	Means. June to September.	Means. Year.
New Dines to Old Dines.	1·43	1·47	1·45	1·45	1·54	1·55	1·77	1·85	1·62	1·51	1·49	1·41	1·46	1·48	1·70	1·55
New Dines to Rob. Beckley.	1·31	1·37	1·35	1·32	1·38	1·42	1·67	1·71	1·51	1·38	1·41	1·32	1·36	1·35	1·58	1·43
Old Dines to Rob. Beckley.	0·94	0·93	0·93	0·93	0·95	0·93	0·95	0·93	0·93	0·93	0·95	0·95	0·94	0·94	0·93	0·94

The hourly values of wind velocity tabulated in this volume represent the means of Beckley's readings (corrected by the factor 0·733) and the corresponding old Dines' readings. The maximum and minimum values have been obtained from Dines' registrations only. The directions of wind have been obtained from Beckley's records ; the daily mean directions have been derived by converting the hourly directions into N or S and E or W components and combining the mean components.

9. *Rain-gauge.*—Newman's rain-gauge, which has been in use since 1845, exposes for the collection of rain drops at a height of four feet above the ground a circular surface of an average diameter of 12·035 inches, forming the top of the funnel, which opens into a cylindrical vessel below, having a diameter of 5·732 inches. Each division of the graduated rod resting on the float represents ·05 inch of rain and the readings of this scale are easily estimated to one-fifth of a division.

10. *Photographic Rain-gauge.*—This instrument takes a continuous record of rainfall by photographing the head of a mercury column balancing the rainfall collected in a glass vessel, with an arrangement for syphon discharge when full. A full description of this instrument will be found in the introduction to the " Bombay Magnetical and Meteorological Observations, 1871 to 1878 ", page xlvi. For methods of reduction of pluviograph records, reference is made to the introduction to the " Bombay Magnetical, Meteorological and Seismographic Observations, 1916-20." The height of the receiving funnel of this instrument is 28 feet above the ground. On account of its greater height, the pluviograph gives a lower value for rainfall than that by Newman.

Magnetic Instruments.

Variation Instruments.

The horizontal force, vertical force and declination magnetographs in use at Alibag are all by Watson and are mounted on isolated pillars in the magnetograph room. They were maintained in continuous action throughout the year. The variation of temperature in 1924 in the magnetograph room is shown below :—

Monthly and annual range in temperature (Fahrenheit).

1924.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Maximum .	83·4	82·6	86·3	89·1	90·4	90·3	88·5	86·7	86·6	87·1	87·0	84·7	90·4
Minimum .	81·5	81·1	82·4	86·2	89·2	88·0	85·2	85·0	85·5	86·0	84·5	82·9	81·1

Two Eschenhagen variometers, one for the horizontal force and the other for the vertical force, are also installed in the magnetograph room and are read every day at the hours already mentioned. A set of Kew Horizontal Force Magnetometer, Kew Vertical Force Magnetometer and Declination Magnetometer is installed in the ground-floor room of the magnetometer building and these are read every day at the hours already specified. The eye observations are regularly plotted and are used mainly for a comparative study of the performance of the different instruments. The magnetograms have been used in deducing the tabulated results except for a few short periods, when the record was defective or missing, in which case the missing hourly values are supplied from eye observations as far as they are available. The tabulations have been made at 51 minutes of every hour instead of at the full hour in order that the instant may coincide with the full hour of Greenwich mean time.

The scale coefficients of the force magnetographs were obtained every fortnight from deflection observations performed on the instruments with deflectors, as already referred to, at a distance of 100 cms. in the case of H and at a distance of 75 cms. in the case of V magnetographs. The value adopted for any month is the mean of the mean observed value for that month and those for the preceding and succeeding months.

The following table gives the scale coefficients for 1 cm. ordinate on the photographic paper of the force magnetographs, where $\gamma = 0{\cdot}00001$ C. G. S. unit of force.

Instrument.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
H. F. Magnetograph	45·1	45·1	45·2	45·2	45·2	45·2	45·2	45·2	45·2	45·3	45·3	45·3
V. F. Magnetograph	98·3	98·6	98·9	99·1	99·3	98·8	97·9	96·7	96·1	95·9	96·2	96·1

The scale coefficient of the declination magnetograph for 1 cm. of ordinate is 10′·28.

The temperature coefficient for the horizontal force magnetograph has been determined by heating experiments and its adopted value is ·000036 in C. G. S. unit for 1° F. The temperature coefficient of the vertical force magnetograph was found in the same experiments to be negligible as no appreciable change in force, after allowing for the actual diurnal change, could be definitely ascertained as being due to temperature effect. The above conclusions have been checked by an analysis of the observed monthly values of base lines by means of the formula $B_t = B_m\{1 + \alpha\ (t - m)\}$, where B_t is the monthly mean value of the base line, uncorrected for temperature but corrected for the slow secular change caused by the loss of magnetic moment and other causes, t the mean temperature during the month, B_m the annual mean of the observed values of the base line, m the annual mean temperature of the magnetograph room and α, the temperature coefficient. Several years' data have been analysed in this manner and the results show that the difference between the adopted value and the value determined by this method is negligible.

Absolute Instruments.

Two magnetometers have been under observations regularly during the period. Magnetometer No. 7 by T. Cooke and Sons, which is the standard instrument at Alibag, is of the ordinary type of Kew pattern instruments but is modified and improved in several important details. The other instrument is Magnetometer No. 3 by the Cambridge Scientific Instrument Company and is of the usual Kew pattern. Instrument No. 7 is observed on the second floor of the Tower of the magnetometer building, while instrument No. 3 is observed on the first floor, each instrument being permanently allowed to stand on its pillar on the respective floors.

The value of the correction, $\text{Log}_{10}\ (1 + \frac{P}{r^2} + \frac{Q}{r^4})^{-1}$ used in the reduction of the horizontal force observations was obtained for a given month by taking the mean for seven months including the given month as fourth of the seven. The values of this correction for the different months of the year for the standard instrument at the deflection distance 22·5 cms. were as follows :—

January	.. 9·99321	May	.. 9·99299	September	.. 9·99291
February	.. 9·99321	June	.. 9·99291	October	.. 9·99290
March	.. 9·99316	July	.. 9·99294	November	.. 9·99294
April	.. 9·99309	August	.. 9·99292	December	.. 9·99293

Earth Inductor No. 41 by Schulze of Potsdam with galvanometer No. 200 by Plath are installed on specially constructed pillars in the room on the second floor, while Inductor No. 108 by Otto Toepfer and its galvanometer are installed in the first floor of the magnetometer building.

General.

1. *Weather.*—The southwest monsoon rains commenced at Bombay on the 12th June and ended on the 28th September. The total amount recorded during the year amounted to 52·19″ and was 18·35″ below the normal of 72 years. The mean temperature of the year was 80°·0 which is 0°·7 above the normal. The greatest maximum temperature recorded was 93°·1 on the 5th June and the lowest minimum was 61°·2 on the 6th January. The mean temperature of all the months in the year was within 3° of the normal of the season. The mean velocity of wind during the year was 6·3 miles per hour. The greatest daily mean velocity was 20·1 miles per hour on the 17th June and the lowest was 3·0 miles per hour on the 17th April. The greatest mean hourly velocity was 27 miles on the 17th June, while the velocity of a single gust of wind as recorded by the Dines' anemometer reached 39 miles per hour on the 17th June.

2. *Magnetic conditions.*—The mean and the extreme values of the magnetic elements at Alibag during 1924 are given below along with the corresponding values for the previous three years :—

Year.	H						D						V						I
	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.
		Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.		
	γ	γ		γ		γ	′	′		′		′	γ	γ		γ		γ	° ′
1921	36935	37069	13th May.	36381	15th May.	688	15·9 E.	41·9 E.	15th May.	9·5 E.	7th July	32·4	17227	17320	15th May.	17144	20th Jany.	176	25 0·3
1922	36946	37037	10th Mar.	36777	14th Sept.	260	12·6 E.	18·0 E.	16th Feb.	6·6 E.	31st Aug.	11·4	17293	17351	12th Aug.	17222	5th Apr.	129	25 5·0
1923	36935	37071	27th Novr.	36854	24th Mar.	217	8·9 E.	13·6 E.	26th Jany.	3·6 E.	24th Sept.	10·0	17372	17432	3rd July	17270	25th Jany.	162	25 9·6
1924	37029	37142	16th Oct.	36854	10th June	288	5·6 E.	10·5 E.	29th Jany.	0·4 E.	15th Sept.	10·1	17452	17514	26th Dec.	17379	19th Jany.	135	25 14·1

The value of H continued to rise at a generally increasing rate from the minimum in 1916 except in 1922, in which year the rise was of a smaller order. Declination diminished during the year at a rate which is very nearly the mean of the last ten years. Both the vertical force and the inclination showed, as usual, a gradual increase.

The following table gives the character figure assigned to each day according to the international scheme. In 1924, De Bilt issued a circular letter explaining a certain definite procedure to be followed in assigning a character figure to each day. The figures herein given have consequently been deduced from a study of the departure of each day's range from the normal range for the day supplemented by an eye examination of the magnetograms.

Month.	"0" days.	"1" days.	"2" days.	Mean character figure.
1924.				
January	1, 4, 5, 12, 13, 14, 20, 27	2, 6, 7, 8, 9, 11, 15, 16, 17, 18, 19, 21, 25, 26, 28, 31.	3, 10, 22, 23, 24, 29, 30.	·97
February	1, 8, 9, 12, 13, 14, 15, 18, 28, 29	2, 3, 4, 6, 7, 10, 11, 17, 19, 24, 25, 26, 27.	5, 16, 20, 21, 22, 23.	·86
March	1, 4, 13, 14, 15, 17, 28	2, 5, 6, 8, 9, 10, 11, 12, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 31.	3, 7, 30	·87
April	1, 2, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 28, 29, 30.	3, 6, 7, 25, 27	26	·23
May	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 25, 26, 30, 31.	12, 16, 23, 24, 27, 28, 29	21, 22	·35
June	1, 2, 3, 4, 5, 6, 7, 8, 13, 14, 17, 24, 25, 26, 27, 28, 29, 30.	9, 12, 15, 16, 20, 21, 22, 23	10, 11, 18, 19	·53
July	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 28, 29, 30, 31.	9, 10, 20, 21, 25, 26, 27.	0	·23
August	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 31.	5, 17, 18, 29, 30	0	·16
September	2, 3, 5, 6, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 29, 30.	1, 4, 8, 9, 12, 23, 24, 27, 28	7	·37
October	1, 2, 3, 5, 6, 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22, 26, 28, 29, 30, 31.	4, 7, 8, 16, 18, 25, 27	23, 24	·35
November	2, 3, 4, 5, 7, 8, 10, 11, 12, 14, 15, 16, 17, 18, 20, 22, 23, 30.	1, 6, 9, 13, 21, 25, 26, 27, 28, 29	19, 24	·47
December	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 19, 22, 24, 25, 26, 27, 28, 29, 30, 31.	11, 12, 13, 17, 18, 20, 21, 23	0	·26

The year was on the whole more active than the previous year which was associated with the minimum number of sunspots. January was the most active and August the most inactive month in the year.

Absolute observations and Base Line Values.

Declination.

Absolute observations of declination were made once a week with both the magnetometers No. 7 and No. 3, one after the other.

Base-line values are derived by converting the ordinates corresponding to absolute observations with instrument No. 7 into angles and subtracting the converted ordinates from the observed absolute easterly declination. The values so obtained of the base-lines of the declination magnetograph denote easterly declination.

The adopted values are derived by taking overlapping means of 5 successive observations and reducing them to the proper epoch, values for intermediate days being obtained by simple interpolation.

Declination base-line values, 1924.

(0° *plus* tabular quantities.)

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	′	′		′	′		′	′
January 3	38·1 E	38·1 E	May 1	37·7 E	37·8 E	September 4	38·1 E	38·3 E
„ 10	37·8	38·0	„ 8	37·9	37·8	„ 11	38·5	38·1
„ 17	37·7	38·1	„ 15	37·9	38·1	„ 18	38·0	38·0
„ 24	38·3	38·1	„ 22	37·8	38·2	„ 25	37·7	37·9
„ 31	38·3	38·5	„ 29	39·2	38·2	October 2	37·5	37·7
February 7	38·1	38·4	June 5	38·2	38·3	„ 9	37·6	37·5
			„ 12	37·7	38·6	„ 16	37·6	37·5
„ 14	39·1	38·4	„ 19	38·3	38·5	„ 23	37·3	37·5
„ 21	38·2	38·3	„ 26	39·3	38·5	„ 30	37·6	37·4
„ 28	38·2	38·3	July 3	38·7	38·6	November 6	37·5	37·3
March 6	37·9	38·0	„ 10	38·3	38·7	„ 13	37·1	37·3
„ 13	38·0	37·8	„ 17	38·7	38·7	„ 20	36·9	37·3
„ 20	37·9	37·7	„ 24	38·9	38·7	„ 27	37·6	37·3
„ 27	37·1	37·7	„ 31	38·9	38·8	December 4	37·4	37·3
April 3	38·0	37·6	August 7	38·7	38·8	„ 11	37·3	37·5
„ 10	37·5	37·6	„ 14	39·0	38·7	„ 18	37·5	37·3
„ 17	37·6	37·7	„ 21	38·5	38·5	„ 25	37·7	37·4
„ 24	37·7	37·7	„ 28	38·5	38·5			

Horizontal Force.

Absolute observations of horizontal intensity were made twice a week, on Mondays with instrument No. 3 and on Wednesdays with instrument No. 7. A day's observations comprise a double set of vibration and deflection observations at three distances, which for No. 7 are 22·5 cms., 30 cms. and 40 cms. In calculating the base-line values the mean of the observed values at all the three distances has been adopted.

Base-line values are derived by converting the mean ordinates corresponding to absolute observations with instrument No. 7 expressed in γ and subtracting the converted ordinates from the mean observed absolute horizontal force. They are further reduced to a uniform temperature of 85° F. to make the series comparable from month to month and year to year.

The adopted values are derived by taking overlapping means of 5 successive double sets of observations and reducing them to the proper epoch, values for intermediate days being obtained by simple interpolation.

Horizontal force base-line values at 85° F., 1924.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	γ	γ		γ	γ		γ	γ
January 2 .	36,710	36,710	May 7 .	36,733	36,737	September 3 .	36,737	36,739
„ 9 .	706	711	„ 14 .	735	737	„ 10 .	743	735
„ 16 .	713	710	„ 21 .	748	739	„ 17 .	735	734
„ 23 .	717	710	„ 28 .	739	741	„ 24 .	720	735
„ 30 .	707	712	June 4 .	743	742	October 1 .	737	736
February 6 .	709	712	„ 11 .	739	741	„ 8 .	741	737
„ 13 .	717	716	„ 18 .	739	741	„ 15 .	747	741
„ 20 .	709	713	„ 25 .	743	740	„ 22 .	741	741
„ 27 .	710	714	July 2 .	739	740	„ 29 .	738	740
March 5 .	718	716	„ 9 .	741	739	November 5 .	739	736
„ 12 .	717	721	„ 16 .	736	736	„ 12 .	735	735
„ 19 .	727	726	„ 23 .	736	735	„ 19 .	727	735
„ 26 .	733	728	„ 30 .	728	733	„ 26 .	738	733
April 2 .	735	731	August 6 .	733	733	December 3 .	735	732
„ 9 .	729	733	„ 13 .	731	734	„ 10 .	731	734
„ 16 .	731	733	„ 20 .	739	736	„ 17 .	730	733
„ 23 .	740	732	„ 27 .	740	738	„ 24 .	733	732
„ 30 .	731	734				„ 31 .	735	732

Vertical Force.

Dip observations were made every day in the year, with the exception of Sundays and holidays, each of the two inductor instruments being observed on alternate days.

Base-line values are derived by expressing the mean ordinates of V. F. magnetograms corresponding to the inclination observations in γ and subtracting the converted ordinates from the absolute vertical force obtained by multiplying the value of H. F. by the tangent of the inclination given by Inductor observations. Values derived from Inductor No. 108 are reduced to those derived from Inductor No. 41 (which is the Observatory standard) by applying the mean correction for the month deduced from the comparative observations taken once a week.

The adopted values are derived by taking overlapping means of 7 successive observations and reducing them to the proper epoch, values for those days not given by this operation being obtained by interpolation.

Vertical force base-line values, 1924.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	γ	γ		γ	γ		γ	γ
January 2 .	16,908	16,897	January 23 .	16,918	16,909	February 13 .	16,886	16,901
„ 9 .	953	919	„ 30 .	881	905	„ 20 .	949	937
„ 16 .	909	919	February 6 .	959	927	„ 27 .	956	943

Vertical force base-line values, 1924—*contd.*

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	Y	Y		Y	Y		Y	Y
March 5 .	16,916	16,927	June 18 .	16,917	16,911			
„ 12 .	929	938	„ 25 .	952	940	October 1 .	16,945	16,949
„ 19 .	967	944	July 2 .	961	956	„ 8 .	970	952
„ 26 .	912	900	„ 9 .	975	971	„ 15 .	951	941
April 2 .	912	896	„ 16 .	987	965	„ 22 .	913	907
„ 9 .	896	895	„ 23 .	987	966	„ 29 .	875	897
„ 16 .	903	893	„ 30 .	977	974	November 5 .	945	912
„ 23 .	911	901	August 6 .	962	967	„ 12 .	908	892
„ 30 .	931	897	„ 13 .	990	967	„ 19 .	905	904
May 7 .	871	876	„ 20 .	965	965	„ 26 .	936	919
„ 14 .	910	891	„ 27 .	946	975	December 3 .	892	887
„ 21 .	896	876	September 3 .	17,014	980	„ 10 .	928	913
„ 28 .	882	883	„ 10 .	16,948	946	„ 17 .	931	922
June 4 .	880	887	„ 17 .	967	942	„ 24 .	934	927
„ 11 .	895	893	„ 24 .	968	943	„ 31 .	937	943

Seismographs.

An Omori-Ewing Seismograph (E-W component) and a Milne-Shaw Seismograph (N-S component) were kept in continuous action. The latter instrument was installed in the underground constant temperature room and has given very satisfactory records of earthquakes and microseisms since its installation. The earthquakes and microseisms recorded by Milne-Shaw Seismograph will be found tabulated on pages 124—129 and pages 130—133 respectively. The locally constructed seismograph (N-S and E-W components) was maintained in good working condition, but was not kept in continuous operation throughout the year.

Magnetic Storms.

In plates I, II, III, IV and V are reproduced disturbed magnetic records for days recommended for publication by the International Commission for Terrestrial Magnetism. The base-line values and scale coefficients are shown with each curve. The hourly breaks last for 2 to 3 minutes and the time shown against a break is the time for the middle of the break expressed in Greenwich mean time. Increasing ordinates for H. F. and V. F. curves mean increase in force and for the declination curves decrease in angle towards the east.

S. K. BANERJI,
Meteorologist, Bombay.

Colaba Observatory;
The 31st January, 1929.

Meteorological Tables.

HOURLY VALUES OF BAROMETRIC PRESSURE, 1924.

JANUARY. (Height of barometer cistern above mean Sea level = 37 ft.) (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours.*													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·991	29·979	29·967	29·959	29·959	29·973	29·995	30·015	30·041	30·059	**30·052**	30·032	30·007	29·979
2	30 014	30·006	·995	·987	·985	·992	30·013	·027	·045	·059	·053	·042	·015	·985
3	29·976	29·963	·955	·941	·936	·946	29 955	29·983	·005	·025	·013	29·999	29·965	·925
4	·949	·956	·943	·939	·937	·939	·955	·963	29·987	·007	·006	·992	·958	·938
5	·973	·967	·957	·955	·955	·959	·968	·989	30·023	·051	·039	30·023	·996	·968
6	·948	·934	·914	·904	·896	·906	·913	·932	29·966	29·984	29·979	29·968	·944	·913
7	·937	·940	·927	·915	·914	·926	·941	·957	·987	30·007	30·004	·989	·961	·925
8	·978	·965	·950	·942	·938	·936	·948	·972	30·001	·023	·028	30·011	·976	·956
9	·982	·984	·975	·974	·979	·991	30·010	30·032	·055	**·074**	·069	·051	30·024	·998
10	·989	·983	·979	·979	·976	·981	29·998	·021	·043	·057	·045	·024	29·995	·963
11	·996	·989	·985	·977	·983	·996	30·014	·027	·044	·060	·043	·024	·992	·966
12	·987	·971	·959	·953	·961	·969	29·987	·013	·036	·052	·044	·020	·996	·967
13	·964	·958	·951	·945	·945	·954	·969	29·994	·016	·018	·006	29·981	·950	·924
14	·957	·944	·929	·924	·925	·934	·955	·978	29·994	·014	·006	·983	·942	·905
15	·927	·916	·903	·899	·905	·913	·929	·951	·966	29·986	29·978	·967	·937	·908
16	·937	·928	·919	·918	·918	·927	·946	·985	30·014	30·032	30·033	30·010	·983	·951
17	·980	·973	·957	·945	·947	·961	·981	30·011	·031	·049	·046	·026	·988	·958
18	·980	·972	·949	·933	·925	·935	·956	29·978	·001	·018	·018	29·993	·961	·920
19	·944	·933	·925	918	·907	·910	·932	·953	29·983	·008	·003	·973	·938	·913
20	·921	·918	·916	·908	·910	·915	·926	·956	·986	·009	·003	·977	·946	·920
21	·948	·957	·941	·939	·943	·951	·960	·987	30·026	·042	·035	30·011	·979	·945
22	·960	·944	·942	·930	·932	·944	·964	·980	29·996	·006	·000	29·972	·934	·894
23	·935	·929	·917	·919	·909	·909	·923	·933	·965	29·987	29·983	·969	·941	·913
24	·913	·903	·879	·857	·873	·887	·911	·939	·949	·971	·971	·955	·921	·893
25	·937	·917	·901	·887	·899	·905	·909	·941	·957	·989	·993	·975	·957	·931
26	·970	·952	·934	·920	·922	·934	·956	·972	·986	30·008	30·002	·984	·952	·920
27	·934	·932	·920	·906	·908	·922	·930	·958	·960	29·970	29·960	·938	·910	·882
28	·895	·895	·901	·903	·899	·907	·927	·945	·963	·975	·971	·949	·913	·879
29	·912	·902	·894	·890	·896	·908	·922	·940	·958	·972	·970	·950	·919	·890
30	·907	·905	·891	·884	·883	·895	·904	·925	·942	·968	·964	·936	·907	·884
31	·940	·929	·913	·898	·898	·910	·931	·951	·970	·986	·982	·959	·935	·896
Mean.	29·954	29·947	29·935	29·927	29·928	29·937	29·953	29·974	29·997	**30·015**	30·010	29·990	29·959	29·930
Variation	+·004	—·003	—·015	—·023	—·022	—·013	+·003	+·024	+047	**+·065**	+·060	+·040	+·009	—·020

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1	29·915	29·902	29·876	29·855	29·856	29·860	29·880	29·909	29·959	29·963	29·967	29·942	29·927	29·894
2	·921	·908	·899	·892	·890	·907	·919	·932	·949	·974	·981	·963	·945	·911
3	·922	·922	·914	·911	·913	·928	·947	·981	·999	30·027	**30·028**	30·003	·975	·942
4	·961	·953	·953	·950	·951	·958	·973	·990	30·009	·025	·013	29·987	·945	·902
5	·874	·868	·858	·848	·847	·867	·894	·920	29·949	29·966	29·952	·937	·919	·888
6	·882	·876	·868	·874	·872	·883	·902	·916	·922	·940	·926	·904	·893	·872
7	·907	·893	·873	·858	·851	·870	·885	·915	·938	·956	·955	·940	·915	·887
8	·880	·873	·861	·855	·852	·860	·884	·908	·931	·955	·961	·950	·919	·888
9	·863	·853	·835	·824	·824	·832	·845	·867	·886	·904	·910	·902	·886	·859
10	·877	·873	·865	·856	·854	·870	·896	·917	·937	·958	·956	·944	·922	·899
11	·902	·896	·885	·878	·879	·889	·910	·935	·961	·979	·977	·961	·938	·906
12	·919	·912	·904	·901	·904	·918	·941	·968	·989	30·006	30·009	·982	·955	·919
13	·882	·867	·854	·848	·849	·860	·877	·898	·925	29·946	29·943	·928	·906	·884
14	·896	·883	·874	·858	·860	·875	·899	·929	·958	·978	·978	·964	·932	·906
15	·923	·907	·895	·895	·894	·895	·903	·916	·938	·946	·947	·929	·899	·879
16	·895	·886	·866	·860	·851	·862	·883	·907	·925	·942	·940	·926	·892	·862
17	·861	·855	·41	·835	·831	·835	·847	·873	·889	·905	·901	·879	·849	·819
18	·836	·830	·818	·798	·796	·804	·822	·850	·868	·888	·884	·876	·852	·816
19	·855	·837	·827	·819	·817	·823	·839	·859	·871	·897	·899	·887	·863	·837
20	·871	·865	·849	·843	·843	·853	·871	·893	·915	·939	·943	·930	·905	·983
21	·906	·894	·882	·874	·864	·866	·882	·892	·908	·918	·914	·902	·882	·856
22	·877	·865	·849	·837	·835	·843	·863	·889	·909	·923	·923	·909	·881	·851
23	·860	·852	·840	·830	·822	·826	·836	·858	·876	·886	·880	·860	·834	·798
24	·837	·835	·821	·823	·835	·843	·855	·873	·899	·915	·925	·919	·899	·887
25	·881	·873	·865	·855	·861	·871	·903	·929	·951	·971	·973	·959	·931	·903
26	·919	·911	·891	·891	·889	·901	·923	·943	·957	·969	·972	·957	·928	·899
27	·904	·896	·885	·868	·878	·889	·910	·938	·959	·972	·977	·953	·927	·894
28	·915	·897	·888	·884	·885	·901	·915	·944	·970	·992	·999	·986	·967	·942
29	·938	·922	·908	·900	·898	·912	·932	·952	·975	·995	·996	·980	·956	·929
Mean	29·892	29·883	29·870	29·863	29·862	29·872	29·891	29·914	29·935	29·953	29·953	29·937	29·912	29·883
Variation	+·001	—·008	—·021	—·028	—·029	—·019	·000	+·023	+·044	+·062	+·062	+·046	+·021	—·008

† The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

JANUARY. (IN INCHES OF MERCURY AT 32° F.)

Hours.†										Mean.	Maximum.		Minimum.		Date.
14	15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
29·960	29·953	29 961	29·967	29·984	30·005	30·020	20·031	30·029	30·020	29·997	9 16	30·063	14 37	29·953	1
·954	·934	·934	·943	·953	29·967	29·987	29 999	29·998	29·990	·995	9 13	·063	16 10	931	2
·903	·887	·884	·894	·911	·937	·957	·967	·963	·957	952	9 14	027	15 42	879	3
·918	·915	·920	·926	·928	·955	978	·991	·987	·986	·957	9 20	010	15 20	·910	4
·942	·925	·919	·925	·937	·953	·967	·973	·965	·959	·970	8 49	·055	16 10	917	5
·891	·890	·893	·911	921	·941	·954	·954	·960	·952	·932	9 19	29·986	15 46	·886	6
·904	·901	·902	·912	·926	951	·971	·977	987	·981	·948	9 14	30·007	15 44	·895	7
·931	·927	·931	·926	·935	·962	·988	30·001	30·002	·991	·967	9 58	·028	17 0	·922	8
·972	·958	·947	·959	·974	·992	30·007	·013	·008	30·005	**30·001**	8 50	**·077**	15 58	942	9
·947	·933	·938	·942	953	·974	29·991	·002	·002	29·999	29·988	9 6	·064	16 54	·929	10
·948	·946	·957	·972	·980	30·008	30·011	·010	·010	30·000	·997	9 14	·064	15 15	934	11
·953	·948	953	·959	·971	29·980	29·990	29·991	29·991	29·971	·984	9 7	·052*	15 17	941	12
·901	·894	·902	·912	·924	·941	·948	·955	958	·953	·953	8 46	·026	15 40	890	13
·882	·878	·890	·904	·917	·938	·944	·947	·951	·939	·941	9 5	·018	14 58	·878	14
·885	·878	·888	·899	·916	·926	·947	956	·951	·945	·928	9 10	29·991	15 42	·875	15
·923	·921	·928	·942	·959	·978	·996	·998	·995	987	·964	9 51	30·039	4 16	·918	16
·934	·920	·916	931	·954	·974	·992	30·000	30·000	·993	·978	9 53	·050	16 2	·912	17
·909	·900	·905	·914	·924	·935	·955	29·959	29·957	·941	·952	9 40	·025	15 25	·899	18
·894	·882	·882	·888	·896	·909	·926	·933	·927	·920	·929	9 32	·013	16 10	·879	19
·905	910	·917	·924	·931	·943	·970	·976	·976	·966	·943	9 20	·013	4 10	·903	20
·915	·911	·915	921	·929	·943	·949	·951	·963	·961	·959	8 58	·047	16 15	·908	21
·868	·866	·876	·890	·908	928	·938	·956	·942	·932	·938	9 0	·012	15 15	·864	22
·891	·879	·875	·879	·885	897	·909	·915	·915	·913	·920	9 16	29·994	16 50	·875	23
·885	·881	·883	·891	·901	·925	·941	·951	·957	·949	·916	9 23	·981	3 24	·855	24
·917	·913	·921	·931	·949	·967	·983	·995	30·001	·989	·944	9 15	·999	3 25	·883	25
·896	·888	·892	·904	·920	·926	·940	·940	29·946	·940	·942	9 15	30·012	15 27	·886	26
·874	·868	·868	·886	·902	·922	·932	·940	930	·916	·919	9 20	29·976	16 7	·868	27
·863	·847	·843	·857	·871	·893	·919	·931	·929	·917	**·908**	8 47	·979	16 25	·839	28
·862	·851	·850	·862	·881	·897	·919	·926	·931	·919	·909	15 54	·979	15 43	·848	29
·870	·863	·867	·882	·900	·919	·947	·956	·956	·943	·912	9 0	·968	15 45	·862	30
·863	·847	**·838**	·855	·870	·889	·915	·938	·937	·923	·916	9 14	·989	15 40	**·835**	31
29·908	**29·900**	29·903	29·913	29·926	29·944	29.961	29·969	29·969	29·960	29·950					Mean.
—·042	—·050	—·047	—·037	—·024	— 006	+·011	+·019	+·019	+·010						Variation.

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29·867	29·849	29·856	29·867	29·876	29·896	29·914	29·932	29·942	29·932	29·901	8 24	29·970	15 20	29·848	1
·881	·868	·861	·868	·881	·901	·923	·942	·943	·938	·917	9 37	·981	16 6	·857	2
·919	·903	·906	·918	·939	·958	·973	·984	·987	·979	**·953**	9 0	30·030	15 54	·902	3
·871	·848	·840	·840	·846	·857	·866	·879	·883	·880	·924	9 2	·025	16 25	·837	4
·868	·867	·865	·873	·881	·892	·910	·920	·908	·888	·894	9 12	29·970	3 52	·844	5
·867	·858	·861	·868	·885	·898	·917	·932	·935	·919	·895	9 5	·944	15 4	·858	6
·864	·852	·857	·866	·877	·888	·902	·907	·902	·893	·894	9 11	·961	16 10	·851	7
·870	·862	·857	·870	·877	·883	·901	·908	·901	·885	·891	10 11	·961	4 34	·843	8
·846	·836	·844	·852	·862	·877	·904	·907	·900	·893	·867	9 19	·911	3 55	·817	9
·874	·862	·860	·865	·880	·900	·917	·920	·914	·906	·897	9 20	·964	4 5	·854	10
·881	·870	·867	·878	·889	·905	·921	·931	·938	·931	·913	9 30	·983	4 4	·867	11
·884	·858	·853	·851	·859	·873	·891	·908	·913	·903	·917	9 0	30·009	16 26	·851	12
·864	·848	·848	·860	·877	·894	·919	·922	·914	·906	·888	9 20	29·955	15 55	·841	13
·884	·876	·876	·881	·893	·906	·923	·930	·934	·929	·909	9 26	·980	2 40	·852	14
·850	·830	·834	·846	·867	·883	·907	·916	·918	·910	·897	9 40	·955	15 21	·829	15
·824	·810	·808	·814	·824	·834	·854	·864	·870	·870	·870	9 31	·948	16 5	·804	16
·793	·775	·775	·779	·795	·815	·839	·849	·853	·847	·839	9 15	·911	15 32	·775	17
·802	·786	·786	·792	·800	·820	·842	·854	·860	·860	·831	9 5	·888	16 25	·784	18
·815	·795	·801	·809	·817	·839	·859	·879	·883	·879	·846	9 42	·907	16 7	·795	19
·863	·851	·843	·845	·855	·867	·901	·915	·921	·919	·883	9 4	·945	4 26	·837	20
·830	·816	·814	·820	·830	·842	·860	·880	·884	·882	·871	9 0	·926	15 45	·812	21
·821	·801	·797	·805	·815	·831	·849	·867	·869	·867	·857	8 56	·933	16 5	·787	22
·774	**·758**	·764	·772	·786	·810	·836	·850	·850	·846	**·829**	8 53	·886	15 2	**·758**	23
·865	·843	·837	·843	·853	·863	·895	·893	·899	·901	·869	9 39	·935	3 2	·813	24
·875	·861	·861	·877	·891	·901	·923	·935	·933	·931	·905	8 56	·981	3 29	·851	25
·870	·861	·854	·867	·871	·885	·903	·919	·924	·917	·909	8 52	·975	16 6	·853	26
·864	·854	·852	·865	·875	·899	·929	·944	·940	·934	·909	9 40	·981	16 10	·849	27
·918	·907	·902	·908	·922	·948	·961	·962	·959	·953	·934	9 55	30·011	4 2	·881	18
·900	·886	·890	·900	·903	·921	·943	·958	·951	·944	·933	9 0	·000	15 55	884	29
29·859	29·845	29·844	29·852	29·863	29·879	29·899	29·911	29·911	29·905	29·891					Mean.
—·032	—·046	—·047	—·039	—·028	—·012	+·008	+·020	+·020	+·014						Variation.

* Highest hourly value given, the curve being lost near the maximum point.
†The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

MARCH. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours.†												
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·932	29·917	29·920	29·916	29·922	29·942	29·962	29·981	30·012	30·033	**30·034**	30·014	29·994	29·964
2	·961	·951	·943	·943	·945	·953	·967	·989	·011	·033	·031	·013	·979	·951
3	·925	·909	·895	·879	·877	·889	·919	·947	29·961	29·972	29·961	29·955	·921	·889
4	·892	·878	·858	·850	·854	·866	·890	·920	·946	·966	·958	·932	·908	·876
5	·905	·875	·855	·849	·851	·863	·893	·933	·963	·987	·987	·971	·951	·913
6	·924	·906	·892	·888	·892	·900	·922	·950	·964	·974	·966	·946	·922	·892
7	·894	·876	·868	·870	·878	·888	·908	·940	·954	·968	·970	·952	·918	·888
8	·871	·865	·853	·843	·843	·853	·871	·889	·903	·909	·913	·901	·875	·847
9	·831	·827	·815	·827	·823	·829	·849	·869	·887	·899	·897	·887	·867	·845
10	·843	·830	·817	·809	·811	·822	·839	·864	·893	·901	·911	·903	·877	·849
11	·839	·827	·813	·813	·815	·823	·843	·859	·881	·895	·897	·883	·861	·841
12	·863	·849	·833	·821	·815	·821	·839	·855	·879	·885	·895	·889	·871	·853
13	·871	·859	·841	·827	·825	·835	·851	·879	·899	·915	·902	·891	·863	·835
14	·831	·818	·810	·806	·810	·825	·845	·865	·881	·896	·896	·880	·853	·827
15	·837	·829	·818	·811	·814	·826	·853	·873	·905	·919	·921	·903	·877	·855
16	·869	·854	·852	·847	·849	·867	·889	·913	·931	·935	·929	·911	·885	·855
17	·875	·866	·874	·863	·864	·871	·875	·910	·919	·926	·927	·917	·900	·877
18	·928	·923	·909	·890	·892	·906	·919	·943	·963	·964	·960	·944	·919	·886
19	·923	·906	·886	·864	·861	·873	·891	·911	·939	·945	·942	·925	·901	·873
20	·904	·878	·856	·851	·844	·862	·880	·914	·936	·940	·940	·920	·890	·852
21	·871	·854	·861	·851	·841	·863	·873	·895	·905	·915	·909	·898	·871	·850
22	·846	·823	·807	·806	·824	·830	·831	·848	·859	·873	·876	·858	·832	·804
23	·817	·807	·788	·784	·789	·804	·822	·848	·875	·883	·874	·860	·830	·793
24	·766	·757	·739	·732	·733	·749	·763	·793	·815	·825	·826	·805	·781	·752
25	·791	·777	·765	·756	·759	·775	·790	·809	·831	·843	·829	·817	·786	·749
26	·767	·768	·759	·742	·745	·756	·772	·792	·816	·820	·815	·804	·783	·759
27	·787	·772	·745	·735	·733	·741	·761	·785	·797	·812	·817	·804	·776	·753
28	·771	·761	·749	·745	·747	·755	·773	·787	·802	·817	·821	·805	·772	·745
29	·759	·762	·749	·754	·752	·765	·781	·809	·837	·847	·843	·824	·783	·753
30	·753	·747	·726	·731	·742	·763	·804	·822	·836	·841	·842	·822	·795	·754
31	·777	·768	·766	·764	·754	·771	·784	·798	·824	·835	·844	·832	·802	·768
Mean	29·852	29·840	29·828	29·822	29·823	29·835	29·854	29·877	29·898	**29·909**	29·908	29·892	29·866	29·837
Variation	+·008	—·004	—·016	—·022	—·021	—·009	+·010	+·033	+·054	**+·065**	+·064	+·048	+·022	—·007

APRIL.

1	29·789	29·780	29·763	29·759	29·753	29·763	29·789	29·805	29·809	29·819	29·817	29·805	29·775	29·743
2	·788	·771	·774	·766	·752	·764	·780	·798	·822	·832	·830	·821	·803	·774
3	·817	·801	·787	·785	·786	·795	·818	·847	·877	·894	·895	·879	·845	·805
4	·848	·835	·821	·807	·807	·819	·829	·855	·875	·885	·880	·866	·843	·812
5	·845	·832	·818	·806	·806	·823	·849	·884	·896	·909	·893	·874	·837	·816
6	·834	·817	·810	·820	·816	·816	·824	·850	·866	·870	·865	·848	·812	·773
7	·757	·748	·725	·719	·721	·725	·741	·765	·786	·798	·793	·786	·758	·721
8	·765	·747	·755	·753	·753	·763	·776	·792	·815	·826	·825	·816	·799	·779
9	·833	·826	·808	·805	·810	·829	·844	·865	·885	·895	·887	·881	·865	·841
10	·826	·807	·792	·792	·797	·801	·806	·824	·837	·848	·848	·843	·822	·796
11	·783	·771	·758	·755	·753	·770	·790	·811	·827	·833	·831	·817	·801	·789
12	·807	·798	·780	·777	·779	·798	·817	·840	·862	·872	·862	·849	·836	·807
13	·849	·835	·823	·826	·830	·843	·856	·887	·909	**·919**	·911	·895	·868	·843
14	·812	·792	·756	·780	·797	·822	·838	·856	·872	·882	·869	·858	·829	·800
15	·790	·777	·764	·758	·764	·772	·782	·806	·822	·834	·828	·816	·793	·762
16	·748	·731	·712	·702	·702	·710	·711	·736	·764	·777	·768	·756	·734	·704
17	·739	·722	·702	·697	·700	·709	·724	·749	·774	·788	·782	·778	·761	·730
18	·752	·741	·733	·726	·728	·746	·765	·785	·807	·821	·831	·823	·806	·781
19	·774	·760	·755	·753	·753	·763	·783	·799	·825	·830	·828	·813	·783	·749
20	·792	·788	·779	·766	·763	·770	·776	·794	·807	·809	·797	·785	·767	·737
21	·761	·746	·729	·725	·745	·746	·769	·787	·807	·827	·825	·814	·803	·779
22	·784	·773	·762	·751	·756	·769	·781	·801	·821	·837	·834	·820	·797	·766
23	·771	·754	·741	·738	·744	·758	·770	·791	·809	·819	·818	·818	·803	·784
24	·801	·791	·785	·767	·773	·781	·799	·816	·839	·844	·834	·825	·806	·780
25	·777	·763	·753	·756	·758	·771	·783	·807	·821	·837	·828	·813	·786	·755
26	·767	·753	·742	·745	·749	·754	·759	·784	·804	·814	·807	·793	·765	·735
27	·743	·737	·721	·707	·714	·725	·747	·765	·781	·787	·779	·769	·745	·721
28	·749	·748	·734	·724	·728	·734	·752	·770	·784	·790	·784	·786	·774	·740
29	·755	·731	·715	·710	·705	·717	·726	·755	·774	·775	·776	·773	·745	·719
30	·736	·720	·700	·688	·692	·704	·722	·747	·768	·780	·781	·770	·758	·744
Mean.	29·786	29·773	29·760	29·755	29·758	29·769	29·784	29·806	29·825	**29·835**	29·830	29·820	29·797	29·769
Variation	+·009	—·004	—·017	—·022	—·019	—·008	+·007	+·029	+·048	**+·058**	+·053	+·043	+·020	—·008

† The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

MARCH. (IN INCHES OF MERCURY AT 32° F.)

Hours.										Mean.	Maximum.		Minimum.		Date.
14	15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
29·944	29·934	29·936	29·944	29·954	29·970	29·976	29·984	29·976	29·968	**29·964**	9 11	30·038	3 0	29·914	1
·919	·895	·887	·889	·897	·910	·923	·943	·943	·937	·951	9 29	**·053**	16 10	·883	2
·867	·843	·843	·855	·859	·877	·895	·909	·915	·903	·903	9 28	29·974	15 11	·843	3
·842	·822	·828	·850	·862	·882	·906	·912	·916	·911	·889	8 55	·976	14 50	·822	4
·883	·859	·851	·855	·877	·889	·913	·929	·935	·937	·905	9 5	·999	15 55	·849	5
·862	·846	·838	·844	·848	·864	·896	·904	·908	·902	·902	8 50	·988	16 30	·836	6
·860	·840	·832	·840	·844	·856	·866	·892	·890	·882	·891	9 10	·977	15 50	·829	7
·815	·799	·789	·791	·799	·809	·833	·847	·847	·841	·850	9 32	·922	15 35	·783	8
·811	·793	·789	·795	·797	·811	·823	·841	·845	·847	·838	9 15	·903	16 12	·789	9
·809	·787	·787	·787	·797	·811	·835	·849	·849	·845	·839	10 14	·922	15 22	·781	10
·823	·805	·797	·805	·819	·849	·869	·879	·879	·871	·845	8 29	·903	16 7	·797	11
·825	·811	·807	·811	·823	·849	·873	·885	·881	·879	·851	9 25	·905	16 5	·807	12
·810	·796	·795	·803	·813	·830	·846	·854	·854	·841	·847	9 11	·925	16 10	·794	13
·803	·789	·798	·800	·809	·823	·843	·853	·856	·850	·836	9 20	·905	15 21	·783	14
·827	·815	·812	·819	·823	·831	·846	·867	·874	·874	·851	9 39	·933	3 55	·809	15
·827	·814	·819	·825	·843	·871	·905	·895	·896	·882	·873	8 45	·945	15 50	·811	16
·853	·846	·846	·851	·870	·899	·927	·943	·940	·934	·891	20 45	·961	16 40	·841	17
·862	·852	·845	·842	·858	·884	·903	·920	·916	·916	·906	8 22	·975	16 13	·839	18
·853	·837	·833	·835	·847	·865	·892	·903	·911	·920	·889	8 25	·953	16 14	·829	19
·826	·806	·796	·800	·814	·830	·850	·868	·875	·882	·867	8 29	·952	16 50	·794	20
·816	·795	·791	·792	·804	·822	·845	·856	·864	·857	·854	9 33	·923	16 44	·783	21
·783	·763	·759	·764	·773	·784	·808	·820	·825	·819	·817	10 10	·881	16 14	·755	22
·769	·751	·744	·737	·747	·758	·771	·782	·788	·780	·800	9 0	·887	16 59	·735	23
·730	·716	·713	·715	·731	·742	·776	·795	·799	·792	·764	9 0	·933	16 3	·707	24
·716	·701	·691	·695	·705	·721	·746	·762	·779	·777	·765	8 44	·849	16 33	·687	25
·732	·708	·700	·699	·720	·736	·762	·779	·796	·800	·763	8 59	·828	16 59	·696	26
·728	·713	·707	·711	·719	·743	·777	·787	·796	·782	·762	9 29	·825	16 44	·705	27
·714	**·695**	·695	·699	·709	·727	·753	·772	·773	·761	**·756**	10 2	·827	15 11	·689	28
·719	·699	·691	·693	·701	·725	·741	·756	·758	·761	·761	8 50	·855	16 30	**·685**	29
·727	·709	·695	·693	·697	·717	·739	·756	·767	·778	·761	9 25	·851	16 52	·689	30
·737	·709	·706	·719	·734	·762	·790	·802	·813	·805	·778	9 25	**·856**	15 42	·706	31
29·809	29·792	**29·788**	29·792	29·803	29·821	29·843	29·856	29·860	29·856	29·844					Mean.
—·035	—·052	**—·056**	—·052	—·041	—·023	—001	+·012	+·016	+·012						Variation.

APRIL.

29·719	29·699	29·679	29·701	29·725	29·741	29·763	29·790	29·813	29·803	29·767	9 28	29·825	16 5	29·679	1
·746	·728	·729	·740	·764	·802	·817	·837	·840	·831	·788	21 25	·850	15 28	·720	2
·779	·764	·753	·762	·783	·805	·829	·852	·869	·863	·820	9 15	·903	16 5	·753	3
·784	·773	·763	·771	·779	·799	·825	·844	·851	·847	·826	9 22	·897	16 11	·761	4
·792	·774	·755	·751	·765	·785	·803	·821	·831	·839	·825	8 59	·917	17 0	·749	5
·737	·716	·694	·694	·702	·708	·725	·752	·767	·765	·787	8 25	·876	16 50	·692	6
·692	·679	·671	·679	·695	·720	·742	·762	·768	·775	·739	9 15	·805	16 12	·669	7
·764	·751	·745	·752	·764	·787	·806	·825	·837	·841	·785	21 45	·845	16 10	·743	8
·815	·796	·783	·798	·815	·827	·843	·848	·854	·843	·833	9 4	·895	15 55	·779	9
·775	·754	·756	·759	·784	·804	·810	·816	·818	·808	·805	8 55	·854	15 50	·752	10
·769	·757	·751	·756	·771	·797	·818	·833	·835	·823	·792	9 10	·841	16 35	·749	11
·786	·776	·771	·778	·794	·812	·836	·856	·867	·868	·822	8 54	·880	15 50	·770	12
·817	·793	·779	·779	·787	·793	·801	·829	·836	·830	**·839**	8 52	**·923**	17 0	·775	13
·764	·748	·737	·738	·748	·764	·773	·792	·812	·806	·802	8 43	·892	15 49	·732	14
·731	·712	·701	·700	·712	·730	·748	·760	·770	·760	·766	8 47	·842	16 15	·698	15
·679	·668	**·659**	·672	·689	·707	·723	·741	·756	·756	·721	9 3	·786	16 7	**·659**	16
·703	·684	·679	·686	·703	·726	·740	·755	·769	·762	·732	9 2	·792	16 3	·679	17
·757	·732	·718	·726	·744	·756	·770	·786	·796	·788	·767	9 25	·842	16 4	·718	18
·723	·703	·697	·703	·713	·753	·769	·783	·795	·819	·768	8 55	·841	15 48	·693	19
·710	·691	·675	·680	·706	·717	·758	·808	·802	·782	·761	8 40	·820	16 45	·672	20
·759	·745	·724	·731	·750	·758	·769	·789	·807	·802	·771	9 25	·839	16 20	·723	21
·739	·719	·704	·701	·713	·732	·744	·763	·780	·787	·768	9 14	·851	17 0	·701	22
·762	·735	·714	·709	·731	·746	·757	·785	·800	·808	·769	9 45	·823	16 57	·703	23
·761	·749	·732	·741	·749	·759	·771	·783	·789	·780	·786	8 44	·853	16 32	·731	24
·733	·724	·713	·712	·723	·727	·755	·774	·782	·784	·768	9 10	·853	16 45	·709	25
·709	·692	·693	·700	·717	·742	·755	·767	·775	·763	·753	8 59	·819	15 15	·689	26
·701	·681	·682	·692	·705	·724	·741	·753	·761	·761	·735	8 22	·789	15 45	·679	27
·718	·713	·710	·718	·738	·752	·773	·778	·775	·768	·752	9 10	·796	16 15	·708	28
·699	·680	·671	·677	·702	·719	·743	·759	·757	·747	·730	8 14	·779	16 5	·671	29
·724	·710	·698	·708	·724	·728	·736	·756	·762	·766	·734	9 10	·790	3 7	·688	30
29·745	29·728	**29·718**	29·724	29·740	29·757	29·775	29·793	29·802	29·799	29·777					Mean.
—·032	—·049	**—·059**	—·053	—·037	—·020	—·002	+·016	+·025	+·022						Variation.

MAY. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours†													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·747	29·725	29·707	29·693	29·701	29·709	29·725	29·754	29·773	29·781	29·769	29·755	29·735	29·703
2	·723	·711	·693	·683	·687	·699	·719	·745	·765	·775	·780	·763	·747	·727
3	·733	·703	·703	·699	·706	·715	·727	·753	·777	·788	·783	·779	·765	·735
4	·730	·728	·728	·720	·722	·734	·750	·768	·782	·794	·795	·790	·775	·750
5	·753	·744	·729	·725	·726	·731	·749	·775	·803	·815	·817	·815	·795	·763
6	·771	·757	·741	·737	·738	·750	·770	·797	·819	·829	·823	·811	·793	·766
7	·757	·753	·744	·745	·750	·757	·773	·779	·794	·805	·801	·787	·767	·737
8	·770	·756	·735	·722	·716	·722	·738	·754	·772	·774	·769	·762	·742	·717
9	·718	·704	·686	·676	·682	·696	·710	·732	·748	·760	·760	·754	·734	·716
10	·708	·682	·660	·660	·668	·682	·700	·722	·742	·756	·760	·752	·742	·720
11	·724	·711	·701	·692	·694	·706	·720	·742	·758	·758	·752	·738	·724	·695
12	·728	·710	·694	·690	·693	·701	·716	·744	·756	·766	·765	·764	·750	·735
13	·729	·717	·704	·699	·709	·731	·763	·788	·813	·823	·829	·817	·803	·784
14	·787	·766	·756	·746	·742	·756	·776	·801	·821	·829	·822	·806	·784	·759
15	·734	·728	·717	·713	·717	·719	·728	·746	·764	·777	·771	·755	·735	·719
16	·742	·731	·711	·703	·707	·730	·745	·765	·786	·796	·797	·790	·778	·761
17	·811	·797	·785	·783	·780	·801	·822	·839	·855	·872	·873	·867	·851	·825
18	·831	·823	·803	·798	·805	·816	·832	·853	·868	·873	·874	·873	·865	·846
19	·823	·801	·787	·781	·779	·789	·805	·815	·828	·839	·833	·827	·807	·783
20	·749	·739	·726	·727	·727	·741	·751	·771	·789	·797	·793	·783	·767	·741
21	·736	·731	·723	·723	·729	·736	·753	·774	·797	·800	·787	·771	·749	·723
22	·767	·747	·733	·719	·721	·735	·757	·765	·777	·779	·769	·753	·733	·703
23	·732	·724	·712	·708	·710	·721	·732	·746	·752	·764	·762	·754	·728	·706
24	·735	·731	·727	·725	·735	·747	·766	·787	·795	·809	·811	·807	·787	·765
25	·739	·727	·718	·717	·725	·737	·756	·779	·789	·797	·797	·790	·773	·755
26	·784	·774	·769	·764	·774	·786	·802	·820	·836	·846	·847	·842	·822	·776
27	·809	·795	·785	·770	·773	·777	·806	·815	·841	·843	·838	·821	·801	·768
28	·768	·750	·739	·721	·731	·740	·757	·777	·781	·787	·783	·775	·765	·743
29	·707	·685	·679	·673	·681	·686	·695	·712	·728	·733	·729	·724	·713	·679
30	·696	·684	·674	·672	·674	·686	·706	·724	·739	·762	·764	·752	·741	·730
31	·748	·730	·720	·730	·736	·756	·784	·802	·821	·837	·834	·828	·822	·800
Mean	29·751	29·738	29·725	29·720	29·724	29·735	29·753	29·772	29·789	29·799	29·797	29·787	29·771	29·746
Variation	+·006	—·007	—·020	—·025	—·021	—·010	+·008	+·027	+·044	+·054	+·052	+·042	+·026	+·001

JUNE.

1	29·793	29·783	29·773	29·761	29·762	29·769	29·781	29·802	29·815	29·821	29·811	29·802	29·793	29·772
2	·784	·765	·750	·750	·754	·766	·788	·801	·812	·820	·830	·826	·813	·789
3	·790	·772	·756	·744	·744	·752	·768	·770	·798	·806	·804	·797	·782	·762
4	·730	·710	·692	·689	·696	·706	·722	·740	·755	·758	·758	·746	·728	·708
5	·715	·709	·677	·681	·691	·704	·721	·739	·759	·777	·779	·773	·764	·749
6	·745	·742	·738	·731	·728	·750	·755	·760	·766	·768	·770	·765	·752	·743
7	·721	·713	·701	·689	·691	·670	·712	·737	·753	·750	·745	·727	·709	·701
8	·693	·683	·652	·641	·637	·645	·662	·679	·685	·695	·695	·683	·667	·649
9	·667	·665	·659	·658	·645	·647	·662	·687	·701	·707	·708	·705	·701	·703
10	·700	·685	·675	·669	·672	·674	·691	·703	·721	·735	·728	·721	·701	·675
11	·667	·655	·647	·638	·632	·642	·649	·673	·679	·691	·683	·676	·661	·643
12	·612	·593	·593	·584	·579	·587	·609	·630	·642	·659	·653	·645	·625	·609
13	·607	·589	·581	·582	·579	·589	·608	·631	·653	·661	·663	·647	·623	·599
14	·598	·578	·562	·548	·554	·564	·578	·598	·616	·618	·618	·608	·598	·588
15	·597	·574	·560	·561	·564	·566	·593	·604	·613	·620	·612	·588	·572	·556
16	·581	·572	·561	·547	·543	·559	·565	·579	·589	·582	·582	·581	·567	·555
17	·566	·551	·520	·519	·534	·538	·549	·572	·578	·601	·622	·612	·596	·574
18	·556	·533	·513	·491	·489	·487	·496	·513	·523	·546	·557	·559	·573	·548
19	·593	·565	·554	·559	·565	·573	·584	·605	·619	·638	·657	·663	·658	·653
20	·677	·669	·662	·651	·659	·665	·678	·702	·717	·732	·741	·745	·737	·733
21	·721	·703	·692	·692	·697	·704	·722	·747	·761	·771	·773	·773	·771	·764
22	·761	·739	·731	·725	·731	·741	·765	·775	·779	·793	·789	·791	·781	·769
23	·779	·757	·747	·749	·747	·753	·767	·777	·793	·801	·799	·778	·781	·771
24	·739	·720	·700	·698	·696	·706	·723	·743	·762	·771	·772	·766	·742	·732
25	·725	·706	·702	·698	·701	·698	·708	·728	·738	·747	·746	·750	·735	·724
26	·745	·725	·707	·706	·692	·691	·701	·721	·735	·741	·747	·735	·725	·713
27	·694	·684	·676	·672	·671	·670	·682	·706	·710	·722	·723	·716	·712	·690
28	·686	·674	·654	·650	·639	·644	·664	·674	·686	·688	·698	·690	·690	·676
29	·649	·638	·610	·604	·602	·616	·626	·645	·661	·670	·672	·666	·660	·646
30	·650	·636	·612	·608	·604	·616	·630	·644	·662	·680	·680	·674	·666	·650
Mean	29·685	29·670	29·655	29·650	29·650	29·656	29·672	29·690	29·703	29·712	29·714	29·708	29·697	29·681
Variation	+·010	—·005	—·020	—·025	—0·25	—·019	—·003	+·015	+·028	+·037	+·039	+·033	+·022	+·006

*The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

MAY. (IN INCHES OF MERCURY AT 32° F.)

Hours.										Mean.	Maximum.		Minimum.		Date.
14	15	16	17	18	19	20	21	22	23		H. M.		H. M.		
29·679	29·659	29·645	29·643	29·651	29·661	29·700	29·721	29·731	29·729	29·712	9 26	·789	16 16	29·643	1
·715	·699	·686	·687	·703	·713	·727	·747	·761	·755	·725	9 27	·787	16 52	·683	2
·711	·693	·675	·675	·683	·703	·724	·743	·747	·739	·727	9 10	·795	16 32	·675	3
·728	·708	·698	·694	·708	·720	·736	·746	·758	·764	·743	9 25	·802	16 35	·694	4
·750	·731	·719	·713	·725	·741	·759	·777	·786	·087	·759	9 25	·823	17 7	·713	5
·738	·713	·701	·703	·708	·718	·733	·755	·763	·765	·738	8 56	·835	16 2	·701	6
·713	·693	·688	·695	·711	·729	·749	·763	·783	·781	·752	9 10	·811	16 16	·687	7
·696	·680	·666	·664	·674	·688	·703	·710	·726	·729	·724	7 58	·776	16 14	·664	8
·696	·682	·674	·672	·680	·699	·706	·718	·728	·722	·711	9 5	·764	16 31	·672	9
·694	·680	·670	·673	·680	·687	·704	·719	·732	·738	·705	9 15	·766	3 7	·660	10
·665	·652	·642	·652	·669	·682	·704	·728	·742	·744	·708	8 15	·768	16 17	·642	11
·717	·702	·694	·684	·693	·717	·736	·754	·752	·742	·725	9 14	·772	3 33	·684	12
·771	·753	·743	·743	·751	·763	·781	·796	·801	·797	·767	9 32	·839	2 53	·699	13
·736	·718	·694	·698	·702	·722	·736	·744	·751	·752	·759	8 58	·834	16 9	·694	14
·683	·667	·649	·661	·683	·711	·736	·755	·769	·753	·725	9 4	·783	16 6	·649	15
·741	·721	·721	·725	·752	·779	·812	·829	·830	·821	·761	20 59	·837	3 11	·703	16
·801	·777	·769	·775	·784	·804	·817	·831	·853	·850	·818	8 42	·879	15 52	·769	17
·817	·789	·779	·779	·784	·799	·817	·835	·833	·835	**·826**	8 14	·875	16 16	·775	18
·753	·729	·713	·715	·719	·733	·745	·759	·767	·767	·779	8 45	·841	16 20	·713	19
·719	·693	·681	·673	·679	·695	·716	·729	·741	·745	·736	9 15	·807	17 15	·673	20
·693	·671	·666	·675	·687	·705	·727	·755	·775	·781	·736	7 52	·801	15 55	·666	21
·671	·645	·638	·641	·653	·667	·703	·723	·743	·743	·720	8 54	·789	16 30	·637	22
·686	·668	·660	·656	·668	·690	·712	·728	·740	·741	·717	9 10	·768	16 59	·656	23
·737	·723	·718	·723	·727	·735	·743	·747	·752	·747	·753	9 46	·819	16 9	·718	24
·738	·725	·717	·721	·727	·747	·759	·781	·795	·795	·754	8 54	·801	16 29	·717	25
·776	·766	·746	·754	·760	·770	·782	·810	·830	·818	·794	9 44	·856	16 15	·746	26
·749	·723	·709	·715	·735	·755	·765	·771	·781	·775	·780	9 57	·843	16 44	·707	27
·717	·697	·681	·677	·681	·691	·701	·726	·724	·721	·735	9 57	·799	17 22	·675	28
·659	·647	·631	·634	·643	·661	·681	·691	·703	·697	**·686**	8 37	·741	16 7	·631	29
·714	·701	·692	·691	·697	·704	·722	·748	·756	·754	·716	9 41	·776	3 7	·672	30
·780	·756	·742	·735	·740	·756	·772	·796	·800	·806	·776	9 14	·838	2 10	·720	31
29·724	29·705	**29·694**	29·695	29·705	29·721	29·739	29·756	29·766	29·764	29·745					Mean.
—·021	—·040	—·051	—·050	—·040	—·024	—·006	+·011	+·021	+·019						Variation.

JUNE

29·752	29·732	29·719	29·716	29·728	29·748	29·765	29·781	29·796	29·795	29·774	8 30	29·827	17 14	29·713	1
·765	·750	·734	·735	·744	·764	·788	·798	·804	·798	**·780**	9 50	**·834**	17 29	·732	2
·736	·728	·708	·712	·717	·738	·746	·754	·753	·748	·758	9 24	·814	16 27	·706	3
·682	·664	·652	·657	·662	·676	·696	·718	·723	·722	·708	8 30	·764	16 15	·650	4
·729	·701	·690	·684	·687	·704	·717	·741	·763	·759	·726	9 46	·791	2 20	·673	5
·722	·713	·682	·694	·712	·728	·754	·745	·746	·733	·739	9 0	·784	16 4	·680	6
·689	·675	·659	·653	·653	·663	·671	·677	·689	·703	·698	8 14	·763	17 47	·647	7
·629	·619	·598	·597	·603	·613	·639	·655	·658	·663	·652	8 52	·705	17 22	·593	8
·691	·678	·671	·665	·671	·689	·710	·716	·724	·719	·685	21 50	·735	4 7	·641	9
·653	·641	·633	·625	·633	·643	·665	·685	·688	·689	·679	9 10	·743	17 5	·623	10
·622	·597	·596	·605	·609	·621	·625	·627	·632	·625	·641	8 55	·707	16 10	·594	11
·591	·593	·565	·555	·565	·589	·605	·625	·627	·625	·607	9 2	·667	17 15	·551	12
·578	·555	·541	·545	·565	·576	·597	·605	·615	·613	·600	9 0	·675	16 5	·539	13
·562	·545	·536	·543	·570	·580	·598	·614	·614	·612	·583	8 30	·622	16 50	·534	14
·537	·528	·517	·520	·536	·548	·569	·592	·600	·599	·572	8 28	·624	16 52	·514	15
·547	·525	·529	·533	·553	·567	·563	·573	·572	·571	·562	8 5	·599	15 59	·521	16
·560	·558	·544	·546	·540	·550	·568	·580	·576	·573	·564	9 41	·630	2 58	·516	17
·542	·527	**·512**	·541	·553	·573	·577	·593	·597	·591	**·541**	22 5	·603	4 39	**·483**	18
·635	·623	·623	·628	·639	·659	·671	·687	·699	·699	·627	22 16	·699	2 19	·547	19
·711	·696	·689	·687	·689	·698	·70	·725	·735	·739	·702	10 46	·757	3 0	·649	20
·745	·735	·723	·723	·734	·743	·753	·771	·779	·781	·741	21 42	·801	2 35	·687	21
·750	·739	·737	·743	·749	·769	·777	·787	·794	·793	·763	9 32	·803	3 7	·725	22
·753	·738	·735	·739	·745	·750	·755	·764	·760	·755	·763	9 19	·813	16 25	·733	23
·716	·708	·698	·700	·710	·726	·732	·746	·748	·748	·729	8 37	·780	4 20	·694	24
·708	·702	·702	·704	·712	·732	·738	·750	·764	·764	·724	8 32	·764	4 25	·692	25
·692	·691	·693	·687	·693	·707	·715	·730	·727	·715	·714	9 2	·755	16 31	·679	26
·668	·656	·648	·652	·658	·678	·694	·702	·708	·696	·687	9 14	·730	16 4	·644	27
·658	·646	·630	·617	·632	·646	·660	·664	·668	·658	·662	9 50	·706	16 55	·610	28
·634	·621	·602	·606	·614	·641	·662	·660	·668	·669	·639	9 27	·688	4 17	·599	29
·635	·626	·616	·620	·634	·646	·650	·656	·662	·656	·642	9 35	·692	4 20	·600	30
29·663	29·650	**29·639**	29·641	29·650	29·665	29·679	29·691	29·696	29·694	29·675					Mean.
—·012	—·025	—·036	—·034	—·025	—·010	+·004	+·016	+·021	+·019						Variation.

JULY, (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours†													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·648	29·644	29·626	29·611	29·616	29·616	29·630	29·648	29·656	29·670	29·678	29·680	29·672	29·658
2	·620	·611	·602	·603	·599	·609	·623	·644	·663	·671	·678	·675	·679	·669
3	·654	·630	·618	·604	·604	·616	·627	·640	·647	·651	·658	·662	·658	·646
4	·645	·623	·605	·603	·605	·605	·617	·635	·647	·655	·657	·660	·641	·625
5	·617	·605	·587	·589	·579	·587	·605	·617	·621	·623	·619	·611	·599	·585
6	·592	·580	·562	·558	·554	·562	·564	·578	·596	·602	·600	·598	·592	·576
7	·619	·595	·575	·577	·571	·597	·615	·619	·647	·649	·659	·669	·671	·656
8	·652	·628	·618	·608	·612	·622	·634	·652	·652	·670	·670	·672	·673	·658
9	·630	·610	·596	·580	·582	·596	·608	·630	·644	·648	·642	·632	·620	·612
10	·604	·590	·591	·570	·576	·582	·600	·614	·632	·634	·628	·620	·594	·588
11	·583	·561	·547	·537	·541	·545	·567	·583	·599	·607	·603	·599	·587	·573
12	·577	·563	·549	·549	·545	·557	·573	·587	·599	·611	·615	·607	·599	·581
13	·626	·610	·600	·590	·584	·594	·612	·628	·646	·660	·670	·670	·664	·642
14	·644	·624	·614	·602	·592	·600	·608	·618	·606	·628	·640	·632	·618	·598
15	·602	·572	·552	·552	·556	·554	·564	·576	·594	·610	·612	·608	·602	·592
16	·602	·588	·572	·571	·576	·586	·600	·610	·630	·640	·654	·652	·648	·634
17	·643	·625	·613	·596	·591	·611	·611	·621	·625	·641	·657	·658	·641	·623
18	·626	·614	·597	·581	·576	·580	·597	·612	·622	·640	·640	·644	·635	·624
19	·627	·609	·587	·577	·583	·581	·589	·609	·619	·640	·656	·649	·643	·631
20	·635	·623	·620	·613	·622	·624	·637	·657	·668	·682	·689	·683	·674	·663
21	·634	·626	·626	·614	·623	·616	·630	·640	·661	·664	·670	·667	·652	·640
22	·609	·602	·585	·581	·586	·593	·595	·600	·621	·629	·623	·619	·606	·585
23	·608	·598	·572	·577	·574	·574	·588	·598	·592	·602	·614	·618	·609	·594
24	·593	·577	·560	·553	·555	·562	·581	·595	·616	·625	·627	·621	·617	·605
25	·606	·596	·584	·584	·586	·601	·614	·633	·654	·660	·656	·652	·649	·640
26	·637	·621	·605	·598	·607	·611	·627	·647	·660	·683	·682	·673	·659	·651
27	·642	·625	·606	·600	·592	·606	·617	·632	·644	·642	·641	·631	·620	·606
28	·602	·575	·563	·552	·550	·560	·573	·587	·609	·627	·630	·628	·612	·601
29	·608	·585	·570	·560	·566	·578	·598	·619	·632	·641	·644	·644	·628	·624
30	·638	·622	·612	·598	·597	·608	·628	·650	·666	·684	·688	·687	·680	·666
31	·708	·694	·678	·670	·670	·678	·698	·715	·726	·745	·748	·747	·740	·729
Mean	29·624	29·607	29·593	29·586	29·586	29·594	29·607	29·622	29·635	29·646	**29·650**	29·647	29·638	29·625
Variation	+·008	—·009	—·023	—·030	—·030	—·022	—·009	+·006	+·019	+·030	**+ 034**	+·031	+·022	+·009

AUGUST.

1	29·762	29·738	29·714	29·698	29·698	29·700	29·706	29·722	29·742	29·762	29·768	29·762	29·748	29·738
2	·753	·745	·713	·697	·699	·707	·727	·738	·758	·763	·761	·758	·751	·735
3	·705	·686	·669	·661	·665	·671	·671	·673	·685	·701	·695	·687	·675	·659
4	·638	·618	·601	·586	·586	·594	·609	·622	·644	·645	·644	·650	·640	·636
5	·650	·632	·620	·616	·614	·622	·642	·663	·674	·682	·680	·678	·664	·652
6	·659	·649	·639	·633	·639	·639	·647	·661	·675	·693	·688	·683	·670	·661
7	·642	·633	·610	·611	·614	·624	·640	·661	·676	·680	·674	·666	·661	·639
8	·654	·638	·623	·615	·619	·628	·643	·659	·670	·682	·687	·675	·671	·662
9	·661	·633	·627	·621	·625	·637	·645	·661	·676	·687	·688	·677	·656	·641
10	·644	·618	·601	·588	·598	·608	·626	·636	·652	·658	·661	·651	·637	·622
11	·672	·654	·635	·635	·642	·653	·669	·681	·700	·705	·703	·701	·692	·673
12	·708	·690	·674	·668	·662	·670	·684	·705	·728	·732	·741	·740	·731	·718
13	·725	·710	·687	·677	·676	·685	·695	·716	·728	·742	·746	·739	·726	·720
14	·721	·701	·691	·683	·684	·690	·705	·731	·751	·761	·757	·751	·740	·724
15	·732	·721	·705	·699	·703	·712	·727	·753	·766	·777	·779	·771	·764	·748
16	·765	·755	·746	·729	·738	·752	·766	·788	·799	·816	**·818**	·812	·801	·781
17	·766	·758	·746	·735	·739	·751	·766	·780	·790	·794	·810	·796	·780	·765
18	·741	·728	·715	·715	·716	·726	·735	·751	·759	·773	·773	·764	·745	·728
19	·722	·706	·686	·683	·682	·688	·703	·714	·722	·729	·732	·728	·723	·702
20	·726	·712	·694	·686	·698	·704	·719	·728	·747	·754	·758	·752	·736	·721
21	·720	·707	·696	·698	·698	·701	·715	·726	·741	·742	·741	·735	·720	·685
22	·706	·694	·683	·677	·663	·673	·686	·698	·714	·722	·730	·722	·693	·659
23	·719	·686	·648	·646	·636	·643	·663	·695	·714	·708	·706	·698	·684	·649
24	·691	·669	·652	·648	·654	·675	·698	·714	·748	·753	·771	·757	·739	·719
25	·762	·742	·729	·724	·732	·741	·749	·763	·779	·780	·777	·766	·737	·711
26	·702	·682	·658	·651	·645	·653	·654	·674	·687	·696	·695	·697	·679	·659
27	·657	·645	·633	·630	·628	·645	·650	·672	·694	·711	·720	·721	·704	·682
28	·686	·663	·648	·642	·652	·654	·665	·682	·708	·720	·728	·713	·698	·682
29	·647	·627	·605	·595	·596	·603	·615	·639	·666	·673	·680	·672	·656	·641
30	·649	·641	·633	·623	·629	·636	·648	·663	·681	·695	·697	·696	·686	·667
31	·667	·655	·640	·633	·626	·633	·648	·667	·674	·695	·699	·696	·683	·670
Mean	29·698	29·682	29·666	29·658	29·660	29·668	29·681	29·698	29·714	29·724	**29·726**	29·720	29·706	29·689
Variation	+·010	—·006	—·022	—·030	—·028	—020	—·007	+·010	+·026	+·036	**+·038**	+·032	+·018	+·001

†The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

JULY. (IN INCHES OF MERCURY AT 32° F.)

Hours.										Mean.	Maximum.		Minimum.		Date.
14	15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
29·636	29·626	29·610	29·604	29·608	29·616	29·614	29·638	29·648	29·637	29·637	9 25	29·684	16 40	29·60	1
·651	·635	·625	·615	·633	·652	·662	·667	·669	·640	·640	9 23	·691	4 14	·589	2
·624	·605	·590	·590	·598	·618	·628	·646	·654	·650	·630	9 28	·670	16 58	·586	3
·612	·589	·569	·569	·577	·595	·613	·615	·631	·625	·617	8 40	·665	16 55	·563	4
·573	·549	·531	·526	·533	·557	·579	·601	·613	·603	·588	8 54	·637	17 20	·521	5
·570	·544	·532	·540	·548	·594	·618	·640	·642	·636	·582	21 40	·652	16 3	·530	6
·638	·615	·601	·601	·608	·621	·637	·657	·665	·647	·625	12 3	·679	3 45	·569	7
·644	·614	·602	·602	·608	·630	·657	·655	·650	·648	·639	10 19	·682	16 26	·598	8
·596	·584	·582	·584	·576	·588	·610	·620	·638	·618	·609	8 20	·656	3 55	·575	9
·574	·546	·538	·538	·552	·574	·593	·608	·616	·606	·590	9 20	·660	17 14	·532	10
·559	·549	·541	·553	·565	·579	·591	·611	·613	·595	·575	21 30	·623	4 10	·533	1
·571	·557	·555	·563	·569	·591	·611	·633	·641	·633	·585	20 4	·649	4 20	·539	12
·618	·598	·588	·594	·602	·618	·638	·652	·656	·652	·625	10 13	·678	3 57	·580	13
·584	·572	·562	·554	·568	·578	·588	·594	·608	·604	·601	9 54	·650	16 49	·552	14
·574	·568	·559	·555	·568	·590	·598	·608	·624	·618	·583	22 2	·632	3 25	·546	15
·610	·600	·596	·592	·605	·626	·642	·650	·650	·651	·616	9 40	·662	2 45	·570	16
·609	·603	·595	·589	·595	·609	·617	·632	·643	·638	·620	10 17	·663	16 39	·585	17
·606	·593	·580	·582	·596	·604	·620	·630	·638	·634	·611	8 45	·652	3 55	·572	18
·623	·611	·598	·595	·611	·623	·633	·643	·649	·640	·618	9 51	·659	4 40	·575	19
·647	·627	·623	·630	·635	·650	·651	·657	·657	·647	·646	9 44	·693	3 22	·613	20
·618	·615	·600	·600	·602	·606	·614	·630	·638	·630	·630	9 0	·682	16 32	·592	21
·583	·573	·561	·556	·560	·575	·593	·609	·621	·617	·595	9 11	·633	16 24	·550	22
·574	·558	·552	·554	·564	·582	·590	·604	·619	·617	·589	21 44	·620	15 41	·546	23
·595	·578	·573	·572	·585	·603	·617	·624	·625	·619	·595	9 35	·630	2 56	·549	2
·630	·608	·602	·596	·611	·629	·646	·664	·665	·656	·626	21 34	·678	2 20	·580	25
·635	·619	·608	·599	·613	·633	·651	·665	·671	·659	·638	9 55	·685	16 59	·595	26
·582	·568	·561	·572	·588	·603	·610	·611	·614	·610	·609	8 21	·655	16 20	·560	27
·589	·579	·561	·568	·582	·598	·610	·622	·623	·617	·592	9 29	·633	4 10	·547	28
·600	·586	·572	·574	·582	·602	·614	·641	·655	·656	·607	22 2	·660	3 20	·557	29
·650	·638	·628	·641	·658	·668	·696	·706	·718	·712	·656	21 54	·727	3 29	·590	30
·723	·704	·698	·706	·716	·735	·749	·766	·77	·774	·721	22 2	·7·6	2 57	·668	31
29·610	29·594	29·583	29·584	29·593	29·611	29·625	29·639	29·646	29·639	29·616					Me. n
—·006	—·022	—·033	—·032	—·023	—·005	+·009	+·023	+·030	+ 023						Varia-tion.

AUGUST.

29·721	29·718	29·710	29·706	29·716	29·738	29·744	29·755	29·765	29·758	29·733	9 35	29·770	3 23	29·694	1
·723	·705	·698	·701	·705	·719	·727	·737	·738	·730	·729	8 50	·771	3 29	·691	2
·643	·629	·617	·617	·621	·627	·639	·653	·663	·654	·661	9 15	·709	17 0	·613	3
·620	·614	·606	·612	·620	·639	·650	·662	·666	·664	·628	20 58	·666	3 40	·584	4
·648	·636	·628	·630	·636	·647	·661	·672	·674	·668	·650	8 50	·694	4 24	·610	5
·645	·639	·627	·631	·635	·636	·647	·657	·660	·659	·653	8 45	·701	16 2	·627	6
·624	·618	·613	·615	·626	·652	·662	·677	·674	·666	·644	8 50	·692	2 7	·610	7
·650	·640	·635	·639	·654	·658	·670	·682	·680	·673	·654	9 47	·690	3 7	·615	8
·625	·609	·601	·614	·621	·634	·645	·655	·656	·647	·643	8 57	·703	16 7	·601	9
·612	·604	·593	·598	·614	·628	·658	·667	·676	·674	·630	21 43	·680	3 7	·588	10
·670	·659	·654	·660	·667	·674	·690	·700	·712	·711	·676	22 9	·718	2 57	·633	11
·702	·686	·684	·686	·693	·711	·730	·742	·742	·742	·707	21 4	·752	4 5	·660	12
·700	·694	·691	·688	·694	·706	·716	·731	·731	·732	·711	9 44	·755	3 30	·671	13
·711	·700	·698	·707	·713	·724	·741	·745	·750	·744	·722	9 4	·767	3 13	·681	14
·736	·727	·726	·730	·743	·756	·769	·782	·784	·784	·746	22 14	·795	3 7	·699	15
·775	·760	·757	·754	·759	·772	·781	·791	·791	·780	·774	9 19	·821	3 3	·729	16
·743	·732	·725	·729	·730	·737	·755	·765	·773	·760	·759	10 10	·816	16 5	·724	17
·706	·694	·688	·688	·695	·702	·723	·728	·736	·737	·728	9 11	·775	15 42	·686	18
·687	·674	·670	·678	·684	·694	·708	·721	·729	·718	·703	10 1	·740	16 7	·670	19
·700	·683	·675	·674	·685	·696	·720	·732	·738	·731	·715	9 25	·762	15 32	·672	20
·668	·635	·624	·633	·645	·657	·685	·703	·707	·706	·695	9 27	·752	16 20	·622	21
·615	·604	·593	·604	·623	·656	·667	·690	·693	·705	·674	9 45	·731	15 40	·589	22
·608	·592	·577	·590	·641	·663	·686	·693	·723	·710	·666	22 5	·726	15 55	·574	23
·704	·687	·677	·690	·704	·729	·741	·759	·777	·767	·713	22 31	·784	3 40	·646	24
·697	·690	·680	·680	·694	·711	·727	·728	·728	·719	·731	8 24	·787	16 24	·676	25
·653	·635	·623	·626	·635	·649	·678	·681	·693	·674	·666	8 50	·708	16 37	·618	26
·669	·659	·647	·653	·667	·683	·699	·708	·713	·703	·675	9 35	·727	4 12	·625	27
·647	·637	·633	·644	·657	·665	·668	·667	·678	·667	·671	9 44	·737	15 44	·630	28
·623	·613	·615	·621	·630	·642	·660	·669	·675	·658	·638	10 15	·685	3 48	·592	29
·649	·643	·640	·647	·648	·655	·663	·674	·684	·682	·660	9 12	·701	3 30	·620	30
·656	·646	·640	·641	·655	·665	·683	·704	·709	·703	·666	21 40	·714	4 22	·619	31
29·672	29·660	29·653	29·658	29·608	29·681	29·697	29·707	29·713	29·707	29·688					Mean.
—·016	—·028	—·035	—·030	—·020	—·007	+·009	+·019	+·025	+·019						Varia tion.

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours. † 0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·685	29·677	29·661	29·666	29·667	29·676	29·691	29·705	29·721	29·734	29·740	29·735	29·724	29·709
2	·739	·731	·721	·727	·722	·725	·733	·755	·763	·769	·782	·779	·767	·749
3	·760	·749	·738	·729	·726	·731	·747	·759	·781	·789	·781	·769	·750	·731
4	·714	·703	·682	·668	·665	·672	·681	·688	·700	·701	·704	·708	·698	·677
5	·678	·670	·659	·663	·667	·678	·688	·702	·722	·729	·729	·725	·705	·703
6	·725	·713	·703	·701	·702	·715	·723	·737	·758	·767	·768	·763	·757	·730
7	·770	·768	·756	·757	·768	·785	·804	·825	·844	·855	·865	·854	·837	·826
8	·821	·812	·806	·789	·792	·799	·809	·825	·845	·852	·851	·847	·824	·801
9	·815	·795	·791	·787	·797	·815	·825	·843	·861	·879	·877	·862	·841	·814
10	·854	·843	·825	·823	·825	·827	·835	·849	·867	·874	·871	·862	·846	·833
11	·823	·809	·784	·773	·777	·782	·791	·813	·835	·846	·848	·835	·822	·804
12	·804	·787	·766	·762	·757	·770	·778	·794	·813	·828	·828	·824	·806	·780
13	·789	·781	·765	·757	·761	·763	·783	·797	·827	·841	·838	·834	·813	·785
14	·821	·814	·803	·794	·800	·813	·822	·840	·858	·874	·875	·870	·842	·822
15	·853	·841	·826	·815	·809	·817	·821	·838	·861	·867	·861	·849	·837	·815
16	·812	·802	·786	·768	·768	·782	·798	·812	·834	·842	·846	·834	·808	·784
17	·797	·784	·771	·767	·771	·782	·796	·825	·841	·853	·849	·829	·803	·780
18	·808	·796	·784	·785	·795	·813	·829	·857	·872	·879	**·880**	·867	·845	·819
19	·826	·813	·790	·782	·781	·785	·797	·810	·824	·830	·826	·820	·791	·757
20	·762	·748	·721	·716	·722	·726	·742	·766	·788	·791	·788	·766	·740	·711
21	·734	·724	·707	·711	·709	·724	·742	·759	·779	·793	·791	·778	·752	·720
22	·745	·737	·731	·728	·743	·750	·766	·784	·806	·822	·817	·815	·791	·760
23	·815	·792	·783	·785	·790	·808	·830	·842	·856	·856	·860	·850	·827	·802
24	·793	·784	·767	·762	·752	·769	·782	·793	·826	·826	·813	·781	·775	·734
25	·745	·723	·710	·709	·700	·712	·724	·749	·769	·768	·765	·748	·729	·699
26	·706	·665	·655	·640	·644	·656	·671	·691	·698	·705	·698	·681	·656	·617
27	·592	·568	·549	·533	·539	·549	·558	·573	·585	·594	·591	·575	·545	·512
28	·524	·508	·483	·481	·452	·498	·542	·593	·633	·664	·680	·686	·675	·655
29	·740	·725	·712	·721	·728	·735	·760	·781	·808	·812	·808	·799	·785	·768
30	·805	·787	·775	·789	·784	·796	·810	·821	·842	·850	·852	·833	·818	·798
Mean .	29·762	29·748	29·734	29·730	29·730	29·742	29·756	29·774	29·794	**29·803**	29·803	29·793	29·774	29·750
Variation.	+·005	—·009	—·023	—·027	—·027	—·015	—·001	+·017	+·037	**+·046**	+·046	+·036	+·017	—·007

OCTOBER.

1	29·815	29·809	29·795	29·796	29·804	29·813	29·831	29·849	29·862	29·871	29·868	29·858	29·838	29·809
2	·802	·800	·790	·786	·795	·810	·828	·840	·845	·846	·841	·826	·799	·777
3	·789	·778	·769	·776	·777	·789	·805	·837	·852	·860	·856	·838	·813	·789
4	·810	·795	·796	·795	·807	·816	·833	·847	·860	·868	·863	·843	·824	·804
5	·831	·820	·810	·799	·794	·802	·818	·837	·846	·850	·844	·827	·808	·782
6	·793	·774	·764	·759	·761	·770	·788	·810	·837	·847	·849	·829	·811	·788
7	·797	·784	·781	·780	·780	·791	·804	·829	·846	·862	·865	·850	·827	·815
8	·814	·800	·792	·794	·799	·817	·837	·858	·875	·879	·874	·852	·824	·797
9	·788	·768	·754	·745	·757	·768	·789	·808	·820	·822	·811	·789	·765	·742
10	·738	·728	·722	·714	·724	·735	·761	·786	·804	·817	·813	·795	·775	·747
11	·759	·747	·741	·736	·745	·758	·784	·789	·813	·820	·811	·797	·769	·745
12	·761	·746	·734	·725	·728	·734	·756	·768	·785	·804	·803	·784	·757	·741
13	·777	·763	·746	·741	·744	·760	·781	·807	·835	·847	·849	·836	·817	·792
14	·806	·798	·794	·793	·799	·810	·830	·851	·877	·892	·899	·879	·860	·843
15	·870	·854	·844	·845	·851	·869	·888	·910	·935	·950	·952	·933	·912	·889
16	·887	·868	·858	·857	·868	·879	·893	·914	·940	·948	·942	·924	·901	·877
17	·884	·868	·855	·852	·856	·875	·895	·923	·937	·944	·943	·920	·903	·879
18	·892	·878	·874	·872	·880	·894	·914	·932	·944	·952	·938	·918	·896	·872
19	·879	·866	·851	·847	·849	·857	·865	·889	·905	·915	·904	·884	·862	·837
20	·863	·855	·845	·841	·839	·859	·885	·903	·915	·929	·913	·889	·861	·845
21	·914	·906	·908	·910	·914	·934	·946	·966	·982	·992	·984	·960	·942	·917
22	·931	·917	·914	·911	·920	·938	·960	·981	·991	30·001	·989	·967	·938	·913
23	·914	·901	·886	·896	·895	·909	·929	·948	·962	29·970	·958	·930	·906	·880
24	·869	·855	·841	·830	·835	·850	·873	·891	·908	·923	·910	·884	·861	·842
25	·867	·853	·842	·831	·836	·849	·869	·886	·906	·924	·917	·894	·866	·843
26	·899	·886	·877	·874	·883	·895	·918	·941	·970	·985	·979	·960	·935	·914
27	·938	·929	·926	·931	·939	·956	·984	30·011	30·035	**30·048**	30·037	30·006	·972	·934
28	·939	·924	·913	·904	·903	·916	·940	29·963	29·981	29·980	29·979	29·956	·924	·898
29	·920	·907	·894	·890	·892	·905	·929	·938	·954	·968	·956	·934	·908	·879
30	·907	·899	·891	·893	·895	·905	·915	·937	·955	·963	·957	·933	·905	·873
31	·914	·902	·896	·890	·886	·894	·914	·934	·952	·966	·954	·928	·897	·874
Mean .	29·851	29·838	29·829	29·826	29·831	29·844	29·863	29·883	29·901	**29·911**	29·905	29·885	29·861	29·837
Variation.	—·001	—·014	—·023	—·026	—·021	—·008	+·011	+·031	+·049	**+·059**	+·053	+·033	+·009	—·015

†The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F.)

Hours.†										Mean.	Maximum.		Minimum.		Date
14	15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
29·699	29·687	29·685	29·685	29·699	29·721	29·737	29·753	29·753	29·743	29·706	21 37	29·763	2 4	29·659	1
·737	·717	·711	·713	·728	·743	·758	·776	·775	·767	·745	9 50	·787	16 20	·707	2
·703	·679	·666	·667	·678	·694	·712	·732	·733	·727	·730	9 11	·791	16 17	·663	3
·666	·652	·648*	·653	·660	·668	·683	·696	·690	·687	·682	10 25	·714	15 51	·646	4
·691	·675	·665	·685	·684	·697	·716	·729	·741	·735	·697	22 4	·747	2 4	·657	5
·708	·705	·705	·715	·728	·751	·773	·792	·797	·785	·738	21 50	·805	2 40	·693	6
·802	·783	·778	·770	·786	·804	·818	·832	·840	·839	·807	9 36	·870	2 7	·756	7
·779	·766	·756	·763	·776	·789	·806	·821	·826	·827	·808	9 10	·861	16 20	·751	8
·801	·792	·787	·795	·807	·821	·843	·860	·864	·861	·826	9 5	·881	15 48	·783	9
·812	·786	·787	·788	·801	·815	·835	·849	·846	·837	**·833**	8 38	·879	15 16	·781	10
·785	·779	·773	·778	·796	·813	·830	·834	·829	·817	·807	9 11	·858	16 45	·769	11
·760	·742	·740	·744	·758	·782	·792	·808	·806	·800	·785	9 33	·836	15 55	·738	12
·771	·761	·757	·767	·783	·803	·821	·841	·839	·831	·796	8 53	·849	3 7	·757	13
·801	·796	·795	·808	·822	·838	·855	·874	·884	·865	·833	21 37	**·894**	3 0	·794	14
·793	·785	·773	·779	·783	·795	·805	·815	·815	·815	·819	8 58	·873	16 40	·769	15
·766	·754	·752	·760	·774	·782	·792	·815	·811	·804	·795	9 25	·850	16 29	·750	16
·756	·747	·748	·752	·769	·791	·798	·819	·820	·827	·795	9 1	·859	15 24	·745	17
·809	·789	·799	·787	·792	·811	·833	·847	·838	·835	·824	9 50	·889	2 20	·779	**18**
·732	·706	·707	·727	·745	·755	·776	·779	·781	·772	·780	9 4	·835	15 21	·701	19
·675	·659	·674	·683	·696	·710	·746	·749	·746	·745	·732	9 47	·802	14 59	·659	20
·695	·681	·681	·687	·698	·711	·735	·748	·744	·751	·731	9 34	·799	15 45	·679	21
·755	·740	·735	·734	·744	·775	·801	·833	·834	·827	·774	21 38	·853	3 14	·725	22
·778	·760	·738	·742	·762	·788	·822	·844	·836	·822	·807	9 34	·870	16 11	·736	23
·702	·676	·670	·683	·700	·733	·761	·832	·795	·762	·761	21 11	·840	16 25	·666	24
·661	·639	·627	·643	·676	·697	·720	·724	·729	·723	·712	9 16	·789	16 12	·624	25
·576	·541	·569	·576	·605	·615	·632	·619	·617	·616	·640	8 42	·725	15 11	·531	26
·502	**·495**	·508	·522	·528	·531	·542	·555	·557	·537	**·547**	9 33	·607	14 37	·493	27
·645	·642	·644	·653	·667	·685	·714	·733	·743	·753	·623	23 4	·760	4 3	**·452**	28
·744	·733	·737	·742	·756	·782	·803	·817	·819	·817	·768	21 20	·832	2 14	·708	29
·779	·763	·763	·771	·773	·789	·806	·825	·827	·822	·803	9 15	·857	16 30	·759	30
29·729	29·714	**29·713**	29·719	29·732	29·750	29·769	29·785	29·785	29.778	29·757					Mean.
—·028	—·043	—·044	—·038	—·025	—·007	+·012	+·028	+·028	+·021						Variation.

OCTOBER.

29·785	29·769	29·761	29·763	29·783	29·804	29·826	29·837	29·830	29·818	29·816	9 11	29·878	16 16	29·758	1
·762	·757	·752	·756	·776	·788	·810	·810	·806	·796	·800	8 56	·858	16 14	·750	2
·775	·772	·780	·787	·794	·808	·819	·827	·822	·823	·806	9 17	·872	2 47	·763	3
·784	·781	·784	·793	·802	·818	·830	·836	·840	·838	·819	8 54	·880	15 15	·779	4
·767	·759	·765	·766	·778	·786	·801	·805	·803	·800	·804	9 13	·860	15 4	·758	5
·770	·766	·766	·773	·783	·793	·817	·821	·819	·814	·796	9 48	·861	3 55	·755	6
·788	·774	·780	·790	·802	·818	·839	·840	·839	·828	·813	9 36	·875	15 7	·774	7
·771	·766	·765	·770	·783	·795	·809	·819	·816	·800	·813	9 36	·892	15 40	·764	8
·718	·705	**·704**	·712	·720	·734	·748	·759	·756	·750	·760	9 23	·834	15 55	**·704**	9
·729	·717	·715	·730	·729	·743	·754	·769	·772	·774	**·754**	9 14	·829	15 27	·711	10
·727	·711	·722	·724	·729	·743	·761	·764	·767	·771	·760	9 15	·833	15 4	·709	11
·730	·720	·722	·730	·747	·768	·788	·798	·798	·793	·759	9 3	·816	15 26	·718	12
·776	·769	·774	·779	·788	·802	·809	·808	·806	·809	·792	9 20	·863	3 45	·737	13
·832	·830	·830	·832	·846	·862	·875	·881	·881	·877	·845	9 44	·909	3 15	·790	14
·863	·852	·851	·859	·867	·880	·896	·905	·902	·895	·886	9 19	·970	2 7	·844	15
·851	·838	·835	·844	·849	·867	·884	·898	·897	·892	·884	9 4	·956	16 7	·835	16
·855	·835	·829	·841	·859	·881	·905	·909	·911	·903	·886	9 26	·957	15 58	·825	17
·842	·828	·831	·843	·846	·872	·892	·902	·896	·890	·887	9 9	·960	15 41	·820	18
·811	·807	·815	·827	·839	·861	·881	·888	·884	·873	·862	9 13	·923	14 46	·803	19
·823	·821	·829	·839	·859	·879	·904	·919	·919	·915	·873	9 27	·937	14 36	·817	20
·893	·884	·892	·902	·916	·931	·950	·952	·949	·938	·933	9 17	·998	15 44	·879	21
·890	·892	·895	·899	·914	·929	·943	·940	·939	·925	·935	8 45	3·009	14 26	·883	22
·864	·854	·860	·861	·873	·892	·906	·906	·901	·890	·904	8 52	2·976	15 44	·850	23
·823	·817	·818	·828	·839	·863	·879	·885	·885	·875	·862	9 29	·929	15 46	·811	24
·829	·823	·825	·829	·848	·872	·896	·910	·915	·908	·868	9 11	·929	16 16	·821	25
·896	·893	·892	·897	·902	·924	·941	·942	·946	·945	·921	9 30	·995	3 7	·874	26
·907	·900	·898	·906	·916	·939	·959	·962	·957	·949	**·956**	9 10	**3·056**	16 15	·890	27
·873	·861	·866	·883	·892	·909	·930	·932	·931	·930	·922	9 14	2·997	15 20	·855	28
·856	·842	·848	·849	·863	·877	·896	·897	·912	·908	·901	9 11	·972	15 —	·842*	29
·855	·845	·843	·857	·869	·887	·909	·927	·929	·925	·903	8 50	·967	15 42	·839	30
·842	·834	·834	·842	·854	·868	·884	·890	·892	·886	·893	8 42	·972	16 32	·832	31
29·816	**29·807**	29·809	29·816	29·828	29·845	29·863	29·869	29·868	29·863	29·852					Mean.
—·036	**—·045**	—·043	—·036	—·024	—·007	+·011	+·017	+·016	+·011						Variation.

†The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).
*Lowest hourly value given the curve being lost near the minimum point.

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours.†													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	29·875	29·861	29·849	29·850	29·851	29·862	29·879	29·892	29·913	29·923	29·911	29·891	29·869	29·839
2	·860	·846	·833	·826	·827	·840	·860	·879	·899	·917	·899	·878	·861	·836
3	·836	·820	·813	·806	·810	·820	·836	·856	·869	·875	·863	·849	·826	·789
4	·848	·833	·815	·808	·808	·814	·833	·847	·864	·885	·869	·853	·824	·797
5	·812	·809	·797	·795	·790	·789	·807	·823	·839	·863	·850	·832	·805	·781
6	·825	·815	·807	·799	·796	·803	·819	·848	·856	·872	·860	·837	·799	·776
7	·784	·773	·758	·759	·762	·777	·799	·810	·827	·847	·833	·808	·774	·746
8	·796	·790	·787	·786	·788	·804	·821	·851	·868	·884	·876	·849	·825	·798
9	·834	·823	·817	·818	·819	·833	·851	·874	·893	·910	·906	·888	·863	·831
10	·891	·878	·862	·856	·868	·886	·908	·930	·956	·962	·948	·926	·901	·880
11	·928	·914	·907	·901	·905	·914	·939	·957	·972	·978	·958	·934	·903	·873
12	·891	·879	·864	·862	·868	·884	·905	·923	·941	·955	·945	·919	·893	·860
13	·880	·866	·850	·845	·856	·868	·885	·907	·932	·940	·932	·913	·883	·853
14	·890	·876	·865	·854	·854	·876	·892	·910	·930	·940	·930	·912	·886	·860
15	·883	·875	·867	·861	·869	·875	·899	·921	·941	·954	·946	·921	·899	·873
16	·878	·862	·842	·839	·846	·860	·880	·899	·910	·921	·913	·895	·868	·842
17	·852	·837	·829	·823	·824	·836	·850	·874	·892	·904	·895	·880	·847	·818
18	·841	·827	·826	·824	·825	·831	·858	·883	·905	·912	·901	·881	·846	·817
19	·849	·849	·847	·847	·851	·875	·901	·924	·957	·973	·966	·946	·915	·887
20	·900	·890	·884	·878	·884	·894	·916	·936	·952	·962	·950	·928	·892	·856
21	·856	·844	·836	·832	·836	·844	·858	·880	·900	·908	·894	·878	·842	·810
22	·824	·816	·808	·806	·808	·822	·840	·866	·890	·906	·902	·882	·852	·822
23	·869	·857	·837	·839	·845	·861	·885	·915	·945	·955	·951	·931	·905	·881
24	·907	·897	·875	·871	·883	·897	·913	·945	·969	·983	·971	·955	·931	·905
25	·893	·877	·861	·853	·859	·871	·887	·905	·923	·933	·917	·901	·871	·845
26	·876	·864	·856	·844	·846	·864	·886	·910	·930	·948	·944	·930	·894	·868
27	·894	·882	·874	·870	·868	·884	·902	·924	·940	·962	·960	·946	·920	·894
28	·927	·921	·909	·909	·907	·909	·923	·945	·965	·977	·971	·955	·925	·899
29	·920	·910	·902	·896	·904	·920	·944	·966	·984	·994	·980	·958	·924	·890
30	·921	·913	·903	·901	·915	·931	·953	·975	·995	**30·005**	·997	·975	·947	·911
Mean	29·868	29·857	29·846	29·842	29·846	29·858	29·878	29·899	29·919	**29·932**	29·921	29·902	29·873	29·845
Variation.	·000	—·011	—·022	—·026	—·022	—·010	+·010	+·031	+·051	+·064	+·053	+·034	+·005	—·023

DECEMBER.

1	29·943	29·935	29·919	29·919	29·917	29·923	29·941	29·957	29·973	29·981	29·973	29·955	29·923	29·893
2	·920	·908	·898	·890	·892	·901	·921	·936	·964	·974	·972	·956	·926	·904
3	·930	·920	·914	·908	·910	·920	·940	·962	·984	30·004	·998	·974	·952	·932
4	·940	·930	·914	·915	·918	·928	·946	·970	·992	·012	30·010	·992	·962	·936
5	·951	·937	·937	·921	·921	·933	·947	·973	·999	·013	·005	·985	·957	·929
6	·928	·902	·884	·872	·872	·874	·892	·912	·936	29·954	9·950	·922	·886	·854
7	·898	·884	·868	·860	·858	·870	·892	·908	·936	·954	·949	·930	·904	·880
8	·917	·915	·903	·897	·905	·913	·935	·955	·981	·993	·983	·968	·939	·907
9	·928	·917	·915	·911	·911	·917	·935	·957	·983	·999	·993	·979	·955	·925
10	·943	·925	·919	·918	·923	·939	·959	·981	30·009	30·027	30·019	30·003	·969	·941
11	·959	·953	·937	·931	·937	·953	·964	·983	·007	·013	·005	29·987	·963	·931
12	·965	·951	·933	·927	·927	·937	·955	·973	·003	·023	·019	·999	·973	·937
13	·970	·960	·948	·956	·956	·964	·972	·996	·018	·025	·020	30·010	·978	·945
14	·992	·984	·974	·966	·966	·972	·986	30·008	·032	·048	·044	·022	·998	·970
15	·991	·985	·978	·971	·973	·985	·995	·019	·043	·053	·051	·027	·991	·955
16	·977	·967	·959	·949	·949	·962	·967	29·993	·018	·035	·029	·007	·975	·951
17	·988	·974	·958	·947	·940	·952	·964	·978	29·998	·016	·018	·006	·974	·942
18	·962	·960	·950	·942	·948	·954	·968	·984	30·014	·028	·018	·002	·980	·952
19	·959	·955	·929	·923	·921	·929	·939	·965	29·983	29·999	·001	29·983	·957	·931
20	·970	·960	·948	·940	·936	·946	·956	·979	30·006	30·022	·030	30·012	·988	·950
21	·970	·948	·936	·928	·926	·940	·950	·978	29·998	·022	·020	·008	·976	·938
22	·994	·990	·976	·962	·956	·962	·968	·988	30·018	·040	·050	·024	·980	·940
23	·988	·976	·962	·960	·966	·976	·998	30·020	·048	**·066**	·064	·032	·998	·960
24	·972	·960	·948	·946	·954	·968	·980	·012	·038	·064	·056	·032	30·004	·970
25	·980	·962	·944	·930	·926	·936	·966	29·992	·018	·036	·026	·002	29·972	·942
26	·958	·948	·928	·918	·926	·930	·954	·978	·008	·020	·014	29·998	·960	·930
27	·938	·928	·914	·900	·898	·902	·918	·942	29·970	29·984	29·976	·962	·934	·898
28	·937	·929	·915	·907	·915	·921	·939	·967	·999	30·021	30·013	·995	·961	·929
29	·972	·960	·948	·942	·944	·950	·960	·986	30·010	·016	·008	·976	·938	·912
30	·920	·921	·911	·909	·918	·921	·931	·953	29·993	·003	29·989	·967	·937	·913
31	·918	·910	·894	·888	·892	·898	·926	·948	·980	29·996	·986	·970	·940	·920
Mean .	29·954	29·944	29·931	29·924	29·926	29·935	29·950	29·973	29·999	**30·014**	30·009	29·990	29·960	29·930
Variation.	+·003	—·007	—·020	—·027	—·025	—·016	—·001	+·022	+·048	+·063	+·058	+·039	+·009	—·021

†The readings refer to 7 minutes after the full hour of local mean time (*vide* Introduction page 4).

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Hours.										Mean.	Maximum.		Minimum.		Date.
14	15	16	17	18	19	20	21	22	23		Time.	Mag.	time.	Mag.	
											H. M.		H. M.		
29·823	29·812	29·814	29·821	29·832	29·847	29·862	29·874	29·870	29·869	29·862	8 46	29·933	15 45	29·810	1
·817	·811	·817	·821	·838	·857	·860	·868	·870	·853	·853	9 15	·923	15 7	·811	2
·772	·772	·781	·792	·803	·830	·842	·850	·852	·851	·826	8 44	·881	14 58	·767	3
·773	·761	·764	·781	·793	·808	·818	·831	·835	·828	·820	8 55	·891	14 54	·757	4
·766	·763	·770	·791	·802	·826	·843	·845	·846	·840	·812	9 20	·866	14 54	·759	5
·754	·746	·752	·765	·779	795	·800	·802	·803	·795	·804	9 36	·877	14 58	·739	6
·734	·731	·729	·742	·757	·780	·806	·808	·811	·811	·782	9 27	·859	15 57	·727	7
·776	·767	·771	·781	·791	·812	·828	·836	·842	·841	·815	8 51	·891	16 17	·765	8
·814	·807	·808	·821	·849	·872	·892	·904	·906	·901	·856	9 12	·929	15 42	·803	9
·862	·858	·863	·873	·888	·916	·934	·943	·944	·935	·903	8 47	·974	15 7	·858	10
·851	·841	·840	·852	·865	·886	·903	·918	·917	·903	·907	8 45	·985	15 55	·839	11
·837	·819	·823	·832	·845	·869	·887	·898	·906	·892	·883	9 21	·965	14 59	·817	12
·834	·831	·831	·842	·856	·874	·887	·897	·906	·900	·878	9 12	·952	15 55	·828	13
·838	·832	·830	·842	·858	·870	·885	·900	·905	·894	·880	9 22	·950	16 5	·828	14
·853	·853	·856	·864	·879	·896	·913	·921	·914	·901	·893	9 20	·961	15 14	·851	15
·821	·810	·808	·821	·835	·850	·873	·880	·879	·869	·863	9 14	·930	16 7	·808	16
·803	·800	·798	·814	·826	·840	·858	·872	·868	·851	·845	8 45	·912	15 13	·794	17
·786	·786	·797	·805	·809	·829	·850	·859	·857	·855	·842	8 54	·921	15 5	·783	18
·871	·863	·861	·867	·875	·889	·907	·915	·915	·909	·894	8 45	·983	2 51	·841	19
·824	·808	·806	·816	·824	·846	·866	·880	·874	·860	·880	9 12	·969	16 3	·800	20
·790	·778	·780	·792	·808	·822	·840	·846	·848	·848	·840	8 55	·912	15 7	·778	21
·804	·802	·814	·820	·832	·854	·878	·890	·890	·884	·846	9 5	·916	15 12	·796	22
·861	·859	·863	·877	·895	·917	·937	·941	·933	·925	·895	9 0	·965	2 55	·835	23
·887	·881	·879	·887	·901	·911	·925	·933	·929	·911	·914	9 5	·987	3 10	·870	24
·827	·815	·823	·837	·847	·861	·885	·903	·897	·893	·874	8 55	·943	15 15	·813	25
·852	·850	·848	·854	·870	·886	·900	·910	·914	·906	·885	9 17	·958	3 7	·844	26
·876	·866	·856	·870	·888	·910	·932	·950	·954	·936	·907	9 10	·968	16 7	·856	27
·873	·859	·863	·871	·886	·905	·925	·941	·945	·933	·918	9 0	·993	15 50	·857	28
·862	·856	·852	·864	·884	·910	·934	·948	·950	·936	·920	8 40	30·000	16 4	·850	29
·889	·883	·883	·893	·914	·937	·953	·967	·964	·952	·937	8 46	·011	15 21	·881	30
29·824	29·817	29·819	29·830	29·844	29·863	29·881	29·891	29·891	29·883	29·868					Mean.
—·044	—·051	—·049	—·038	—·024	—·005	+·013	+·023	+·023	+·015						Variation.

DECEMBER.

29·875	29·871	29·873	29·879	29·895	29·919	29·933	29·947	29·943	29·935	29·926	8 50	29·983	15 25	29·863	1
·882	·874	·876	·890	·898	·918	·932	·944	·950	·936	·919	9 7	·982	15 0	·872	2
·916	·910	·908	·912	·924	·942	·950	·960	·960	·948	·941	9 5	30·010	15 26	·904	3
·912	·912	·918	·922	·940	·962	·974	·982	·976	·966	·951	9 30	·016	14 26	·912	4
·905	·901	·903	·911	·923	·949	·961	·965	·957	·941	·947	9 0	·013	15 7	·901	5
·840	·834	·838	·846	·864	·888	·908	·920	·922	·910	·892	9 31	29·959	15 30	·834	6
·858	·854	·864	·874	·884	·908	·932	·949	·938	·928	·899	9 14	·957	15 5	·854	7
·889	·881	·881	·887	·899	·917	·933	·947	·943	·937	·926	9 0	·995	15 30	·877	8
·895	·885	·893	·905	·915	·931	·949	·958	·967	·955	·937	9 13	·999	15 35	·885	9
·925	·919	·929	·938	·951	·965	·979	·989	·983	·973	·959	9 11	30·028	1 50	·917	10
·909	·913	·914	·929	·943	·963	·983	·993	·993	·981	·960	8 49	·021	15 35	·911	11
·913	·917	·921	·933	·953	·972	·981	·995	·989	·983	·962	9 4	·023	2 35	·927	12
·926	·924	·927	·940	·956	·976	·994	30·007	30·008	30·000	·974	9 31	·030	15 20	·923	13
·950	·940	·946	·952	·976	·996	30·006	·016	·011	29·998	·990	9 7	·048	15 35	·940	14
·931	·917	·923	·931	·943	·963	29·981	29·991	29·995	·986	·982	8 37	·055	15 6	·917	15
·931	·919	·917	·931	·943	·967	·987	30·007	30·013	30·001	·973	9 15	·037	15 40	·917	16
·916	·906	·908	·918	·926	·948	·970	29·974	29·982	29·970	·961	10 25	·022	15 35	·906	17
·932	·916	·918	·922	·940	·960	·974	·990	·987	·976	·966	8 50	·030	15 45	·916	18
·909	·903	·909	·923	·935	·953	·977	·989	·979	·977	·951	9 45	·011	15 48	·903	19
·920	·902	·902	·910	·928	·952	·976	·998	·992	·984	·963	9 35	·030	15 36	·896	20
·918	·912	·910	·920	·938	·968	·998	30·014	30·012	30·004	·964	9 17	·030	15 36	·904	21
·914	·916	·916	·928	·948	·974	·992	·006	·006	·004	·977	9 40	·054	15 47	·912	22
·942	·928	·932	·948	·964	·980	·992	·010	·002	29·992	·988	9 7	·066	15 30	·926	23
·940	·930	·932	·944	·958	·976	30·000	·016	·010	·996	·984	8 52	·064	15 30	·926	24
·914	·898	·900	·912	·930	·954	29·970	29·976	29·978	·970	·960	9 10	·036	15 35	·898	25
·910	·894	·892	·900	·916	·938	·952	·958	·950	·944	·947	9 10	·018	15 47	·888	26
·876	·874	·874	·878	·898	·922	·946	·947	·942	·934	·923	8 47	29·988	15 40	·872	27
·909	·905	·907	·919	·941	·975	·993	30·003	30·001	·987	·954	8 50	30·021	15 45	·901	28
·884	·864	·864	·874	·888	·916	·932	29·942	29·938	·932	·940	9 0	·020	15 46	·860	29
·889	·879	·877	·885	·899	·921	·937	·943	·929	·925	·928	8 22	·003	16 25	·873	30
·900	·906	·910	·920	·932	·956	·972	·973	·958	·948	·935	9 2	29·996	3 10	·886	31
29·907	29·900	29·903	29·912	29·927	29·949	29·967	29·978	29·975	29·965	29·951					Mean.
—·044	—·051	—·048	—·039	—·024	—·002	+·016	+·027	+·024	+·014						Variation.

HOURLY TOTALS OF RAINFALL (IN INCHES), 1924.

JUNE. (FROM PLUVIOGRAPH RECORDS.)

Date.	Hours.													
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	0·09	0·28	..	0·04	0·58	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	0·06	0·12	0·05	0·06	0·03	..	..	..	..
17	0·02	0·05	0·07	0·06	0·24	0·16	0·12	0·32	0·03	0·13	0·01	0·02	0·03	0·01
18	..	..	..	0·02	0·01	0·07	..	0·05	..	0·15	0·08	0·03	0·11	0·05
19	0·50	..	..	..	..	0·02	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	0·01	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	0·01	0·01	..	..	..	..	..	0·03	..	..	..	..
24	..	0·14	..	..	..	..	..	..	..	..	..	..	..	..
25	..	..	..	..	0·14	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	0·02	..	..	..	..	0·08	..	0·08	0·10
27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	..	0·10	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	0·52	0·19	0·08	0·10	0·39	0·43	0·24	0·42	0·18	0·62	0·17	0·09	0·80	0·16

JULY.

1	..	..	..	..	0·01	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	0·01	..	..	..	0·16	..	0·01	..	0·01
3	..	..	..	..	..	0·29	..	..	0·48	0·14	0·29	0·05	0·01	0·01
4	..	..	..	..	..	..	..	..	..	..	..	0·04	..	..
5	..	0·10	0·04	..	..	..	..	..	..	..	..	0·05	..	..
6	0·04	..	..	0·01	..	0·08	..	..	..	..	..	..	..	..
7	..	0·04	..	..	..	0·12	0·34	0·53	0·12	..	0·21	0·20	0·34	0·15
8	..	..	..	0·03	..	0·02	0·01	0·02	..	..	..	0·03	..	0·01
9	..	..	..	0·18	0·01	0·03	..	..	..	0·04	0·03	0·04	..	0·01
10	0·01	0·02	..	..	..	0·04	0·09	0·09	0·04	0·11	0·04	0·01	..	0·05
11	..	..	..	0·06	0·02	..	0·05	0·01	..	0·02	..	..	..	..
12	..	0·01	..	0·02	..	0·04	..	0·08	..	..	..	..	..	..
13	..	..	0·05	0·01	0·01	0·23	0·19	0·08	..	..	..	..	..	..
14	..	..	0·08	0·02	..	0·01	..	0·01	0·04	0·03	0·23	..	..	0·03
15	..	..	..	..	0·02	..	0·05	0·01	..	0·02	..	..	..	..
16	..	..	..	..	..	0·04	..	..	..	..	..	..	..	0·01
17	..	..	..	..	..	..	..	..	..	..	..	0·02	0·02	..
18	..	0·24	0·22	0·07	..	..	0·01	..	..	..	0·07	0·02	..	..
19	0·01	0·01	..	..	..	0·01	..	..	..	..	..	..	..	..
20	0·01	..	..	..	..	0·01	..	..	..	..	..	..	..	0·01
21	..	..	..	..	..	..	..	..	..	..	0·01	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	0·02	0·01	..	..	0·01	..	..	..	..	..	..	..	..
25	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	0·01	..	0·02	..	..	..	..	..	..	..	..	..
27	..	..	0·01	..	..	..	..	0·17	0·08	..	0·14	..	..	..
28	..	..	0·03	..	..	0·06	..	..	..	0·01	..	..	..	..
29	..	..	0·01	0·01	0·02	..	..	..	..	..	..	..	0·09	..
30	..	..	..	0·02	..	..	..	..	..	0·05	0·04	..	..	0·04
31	0·05	..	..	0·02	..	..	..	..	..	0·01	..	..	0·01	..
Total ..	1·13	0·44	0·46	0·45	0·11	1·00	0·74	1·00	0·76	0·59	1·06	0·47	0·48	0·33

JUNE. (FROM PLUVIOGRAPH RECORDS.)

Hours. 14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Daily total.	Maximum fall in one hour	Time of occurrence. H. to H.	Daily* total by Newman.	Date.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	7
..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
..	..	0·01	..	..	..	..	..	..	..	0·01	0·01	16 17	0·01	11
..	0·05	..	..	..	..	..	..	..	..	1·04	**0·58**	12 13	1·06	12
..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
..	..	..	..	..	..	..	..	..	..	..	..	..	..	15
..	0·05	0·03	0·26	0·29	0·10	0·01	0·05	0·04	0·11	1·26	0·29	18 19	1·32	16
..	0·39	0·02	0·03	..	0·04	..	..	..	0·14	**1·89**	0·39	15 16	**1·97**	17
..	0·02	..	0·03	0·01	0·01	..	..	..	..	0·69	0·15	9 10	0·74	18
..	..	..	..	..	..	..	..	..	..	0·52	0·50	0 1	0·53	19
..	0·01	0·02	0·07	..	..	..	..	..	..	0·10	0·07	17 18	0·10	20
..	0·01	0·01	..	..	..	..	..	..	..	0·03	0·01	3 4	0·03	21
..	..	..	..	..	..	..	..	..	..	..	..	..	..	22
..	..	..	..	..	..	..	..	..	..	0·05	0·03	9 10	0·05	23
..	..	..	..	..	..	..	..	0·01	0·01	0·16	0·14	1 2	0·16	24
..	..	..	..	..	..	..	..	..	0·21	0·35	0·21	23 24	0·36	25
..	0·16	0·34	..	..	0·02	..	..	0·03	..	0·83	0·34	16 17	0·84	26
..	..	..	..	..	..	..	..	..	..	..	..	..	0·01	27
..	..	..	0·14	..	..	..	0·02	..	..	0·16	0·14	17 18	0·16	28
..	..	..	..	..	..	0·01	..	..	..	0·11	0·10	5 6	0·12	29
..		..	..	..	..	..	..	..	..	..	..	..	..	30
..	0·69	0·43	0·58	0·30	0·17	0·02	0·07	0·03	0·47	7·20	..	..	7·46	Total

JULY.

												H. to H.		
..	..	..	..	..	..	..	..	..	0·01	0·02	0·01	4 5	0·02	1
..	..	..	0·01	..	0·66	0·05	..	0·01	..	0·92	0·66	19 20	0·95	2
..	..	..	..	..	..	..	0·07	0·01	..	1·35	0·48	8 9	1·39	3
..	..	..	..	..	..	..	..	..	..	0·04	0·04	11 12	0·04	4
..	..	..	..	..	..	..	..	..	0·01	0·20	0·10	1 2	0·20	5
..	..	0·01	..	0·86	0·77	0·18	0·03	0·02	0·01	2·01	**0·86**	18 19	2·05	6
0·06	0·15	..	..	..	..	..	..	..	..	**2·26**	0·53	7 8	**2·27**	7
..	..	..	0·01	0·05	0·47	0·07	0·02	..	..	0·74	0·47	19 20	0·74	8
..	0·29	0·18	0·10	0·01	0·19	0·26	0·50	..	0·01	1·88	0·50	21 22	1·91	9
0·40	0·52	0·44	0·04	..	0·02	0·03	0·01	0·15	0·01	2·12	0·52	15 16	2·27	10
..	..	0·05	0·06	..	0·01	..	0·04	..	0·01	0·33	0·06	3 4	0·37	11
..	..	..	0·02	..	..	..	..	0·01	..	0·18	0·08	7 8	0·20	12
..	..	..	0·05	..	..	..	0·01	..	..	0·63	0·23	5 6	0·66	13
..	..	0·01	..	..	..	..	..	..	0·01	0·47	0·23	10 11	0·47	14
..	..	..	..	..	..	..	..	..	..	0·10	0·05	6 7	0·12	15
..	..	..	..	..	..	..	0·02	..	..	0·07	0·04	5 6	0·07	16
..	..	0·02	..	..	..	..	..	..	..	0·07	0·03	12 13	0·07	17
..	..	0·02	..	..	..	..	0·04	..	0·02	0·71	0·24	1 2	0·74	18
..	..	..	..	..	..	..	..	..	..	0·03	0·01	0 1	0·03	19
..	..	0·02	..	..	..	..	..	..	..	0·05	0·02	16 17	0·05	20
..	..	..	..	..	..	..	..	..	..	0·01	0·01	10 11	0·01	21
..	0·02	..	..	..	..	..	..	..	..	0·02	0·02	15 16	0·02	22
..	..	..	..	..	0·03	..	0·07	0·01	0·01	0·12	0·07	21 22	0·12	23
..	..	0·09	..	..	..	..	0·28	..	..	0·41	0·28	21 22	0·42	24
..	0·02	0·07	..	..	0·03	..	0·10	..	..	0·23	0·10	21 22	0·26	25
..	..	..	..	0·02	..	0·02	..	..	0·04	0·11	0·04	23 24	0·11	26
..	..	0·03	..	..	..	..	..	..	..	0·43	0·17	7 8	0·42	27
..	..	..	..	..	0·06	..	0·02	0·01	0·05	0·24	0·06	5 6	0·25	28
..	..	..	..	..	..	..	..	..	..	0·13	0·09	12 13	0·14	29
0·02	0·02	..	..	..	0·01	..	..	..	0·08	0·28	0·08	23 24	0·31	30
..	..	..	..	..	..	..	..	..	..	0·09	0·05	0 1	0·10	31
0·48	1·02	0·94	0·29	0·94	2·25	0·61	1·21	0·22	0·27	16·25	..	..	16·75	Total

*Adopted as the standard instrument in the Observatory since 1845.

AUGUST. (FROM PLUVIOGRAPH RECORDS.)

Date	Hours.													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	1011	11—12	12—13	13—14
1	..	..	0·10	..	..	..	..	..	..	..	..	0·16	0·29	0·04
2	..	..	..	0·08	..	..	0·03	0·01	..	..	..	0·02	..	0·13
3	..	..	..	0·02	..	..	..	..	..	..	..	0·01	..	0·01
4	..	..	..	..	..	..	..	0·02	..	..	0·05	..	..	0·03
5	..	..	..	..	..	..	..	..	..	..	..	0·02	..	..
6	..	..	..	0·03	..	..	..	0·01	..	..	0·01	..	..	..
7	..	..	0·02	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	0·01	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	0·07	..	..	..	..	..	..	..	0·08	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	0·02	..	..
16	..	..	..	..	..	..	0·01	..	..	..	..	..	..	..
17	..	..	..	..	..	..	0·09	..	..	..	0·03	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	0·03	..
19	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	0·13	0·04	0·01	0·06	..	..	..	..	..	..	..	..	..	..
23	0·45	0·14	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	0·06	0·06	..	..	0·93	0·02	0·15	..	..	..
25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	0·07	0·03	..	..	..	0·01
27	..	..	..	0·02	0·08	0·25	0·04	0·04	0·06	0·32	0·96	0·58	0·19	0·08
28	..	..	..	..	..	..	0·02	0·47	0·12	0·45	0·09	0·01	0·03	..
29	..	0·03	..	0·21	0·15	..	..	0·18	0·07	0·06	0·13	0·02	..	0·01
30	..	..	..	0·31	0·15	0·09	0·26	..	..	..	..	..	0·04	..
31	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	0·67	0·22	0·04	0·73	0·44	0·40	0·45	0·73	1·34	0·88	1·42	0·84	0·58	0·31

SEPTEMBER.

1	..	..	..	..	..	0·35	0·02	0·16	..	..	..	..	..	..
2	0·16	..	..	..	..	0·07	0·01	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	0·03	..	..	..	..
4	..	..	..	..	0·02	..	..	..	..	..	..	..	..	..
5	0·01	..	..	..	..	..	..	..	..	..	..	..	0·13	0·01
6	..	0·34	0·14	..	0·02	..	..	..	..	0·08	..	0·04	0·01	..
7	..	..	..	..	..	..	..	..	0·06	0·03	0·03	..	..	0·14
8	..	0·10	0·10	..	..	..	..	..	..	0·01	0·09	0·01	..	..
9	0·01	..	..	..	..	..	..	..	0·01	..	..	..	..	..
10	0·14	..	..	..	..	..	..	..	..	..	..	..	..	..
11	0·05	0·07	..	..	..	0·01	..	..	..	..	..	..	..	0·03
12	0·01	..	..	..	..	..	0·03	..	..	..	0·04	..	..	..
13	..	0·01	0·59	..	..	..	..	0·01	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	0·04	..	..
15	..	..	..	..	0·01	..	0·04	..	..	..	..	..	..	..
16	..	..	..	..	..	0·19	0·11	0·04	..	..	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	0·05	..	0·18	0·14	0·02	..	..	..	0·01
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	0·10	0·79	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	0·01	..	..	..
23	..	..	..	..	..	..	..	..	..	..	0·02	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25	0·09	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..	..	..
27	..	..	..	..	..	..	..	..	0·01	..	..	..	..	..
28	0·65	0·28	0·01	0·55	0·02	0·29	0·21	..	..	0·03	..	..	..	..
29	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1·12	0·80	0·84	0·55	0·07	1·06	1·21	0·39	0·22	0·20	0·19	0·09	0·14	0·19

* Adopted as the standard instrument

Note.—There was a fall of 0·04″ of rain on the 7th October between 10h and 12h, 0·02″ rain on the 14th October between

The months of January, February, March,

Total fall of rain in the year was 50·60″ by Pluviograph and 52·19″ by Newman; the difference is due to difference

Total number of rainy days in the year was 69 according to Pluviograph and 70 according to Newman, assuming

The greatest fall of rain during a day in the year, that of 27th August, was

AUGUST. (FROM PLUVIOGRAPH RECORDS.)

Hours. 14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Daily total.	Maximum fall in one hour.	Time of occurrence. H. to H.	Daily* total by Newman.	Date.
..	..	..	..	..	..	0·14	0·01	..	..	0·65	0·29	12 13	0·66	1
..	..	..	..	..	..	..	0·02	..	..	0·29	0·13	13 14	0·29	2
..	0·01	..	0·07	..	0·01	..	..	..	..	0·13	0·07	17 18	0·14	3
..	0·01	..	..	..	..	..	..	..	..	0·11	0·05	10 11	0·11	4
..	..	0·01	..	..	..	..	0·01	0·02	..	0·06	0·02	11 12	0·07	5
..	..	..	..	..	..	..	..	0·06	..	0·11	0·06	22 23	0·11	6
..	..	..	..	..	0·07	..	..	..	..	0·09	0·07	19 20	0·09	7
..	..	..	..	..	..	..	..	..	..	0·01	0·01	8 9	0·01	8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
..	..	..	..	..	..	..	..	..	..	0·01	0·01	1 2	0·01	12
..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
..	..	..	..	..	..	..	..	..	..	0·15	0·08	8 9	0·17	14
..	..	0·03	0·01	..	..	..	..	..	..	0·06	0·03	16 17	0·06	15
..	..	..	..	..	..	..	..	..	..	0·01	0·01	6 7	0·01	16
..	..	..	..	..	..	..	..	..	..	0·12	0·09	6 7	0·12	17
..	..	..	..	..	..	..	..	..	..	0·03	0·03	12 13	0·03	18
..	..	..	..	..	..	..	..	..	..	0·01	0·01	0 1	0·01	19
..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
..	..	..	..	..	..	..	..	..	0·02	0·02	0·02	23 24	0·02	21
..	..	..	..	..	..	..	0·02	0·08	0·19	0·53	0·19	23 24	0·55	22
..	..	..	0·04	..	0·15	0·02	..	..	..	0·80	0·45	0 1	0·82	23
..	..	..	..	..	..	..	..	..	..	1·22	0·93	8 9	1·26	24
..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
..	..	..	0·21	0·01	0·13	1·17	0·72	0·04	0·12	2·51	0·72	21 22	2·60	26
0·29	0·07	..	0·03	..	..	..	..	..	..	**3·01**	**0·96**	10 11	**3·12**	27
..	..	..	0·10	0·05	0·21	0·26	0·14	0·32	0·52	2·79	0·52	23 24	2·87	28
0·04	0·10	0·07	0·06	0·01	..	..	..	..	0·03	1·17	0·21	3 4	1·24	29
..	0·01	0·02	..	..	0·04	..	..	..	0·09	1·01	0·31	3 4	1·03	30
..	..	..	..	..	..	0·01	..	..	..	0·02	0·01	0 1	0·02	31
0·33	0·20	0·13	0·52	0·07	0·61	**1·60**	0·92	0·52	0·97	14·92	..	..	15·42	Total

SEPTEMBER.

..	..	0·05	..	0·01	..	..	..	..	..	0·59	0·35	5 6	0·62	1
..	..	..	..	..	..	..	..	..	..	0·24	0·16	0 1	0·25	2
..	..	..	..	..	..	..	..	0·02	..	0·05	0·03	9 10	0·05	3
..	..	..	..	..	..	..	..	..	..	0·02	0·02	4 5	0·02	4
..	..	0·15	0·11	..	..	..	..	0·01	0·06	0·48	0·15	16 17	0·47	5
..	0·01	..	..	..	0·01	..	..	..	..	0·65	0·34	1 2	0·67	6
..	..	0·01	..	..	..	..	..	..	..	0·27	0·14	13 14	0·29	7
..	..	0·02	..	..	..	..	..	..	..	0·33	0·10	1 2	0·33	8
..	..	..	..	..	0·01	0·01	..	..	..	0·04	0·01	0 1	0·04	9
0·03	0·01	..	..	..	0·09	..	0·01	..	..	0·28	0·14	0 1	0·27	10
..	0·01	..	..	..	..	..	..	..	0·05	0·22	0·07	1 2	0·23	11
..	..	..	..	..	0·08	..	..	..	..	0·16	0·08	19 20	0·17	12
..	0·02	..	..	..	..	..	..	..	..	0·63	0·59	2 3	0·64	13
0·01	..	..	..	..	..	..	0·51	0·41	0·07	1·04	0·51	21 22	1·06	14
..	..	..	..	..	0·03	0·03	..	..	0·13	0·24	0·13	23 24	0·26	15
..	..	..	..	..	..	..	0·01	..	..	0·35	0·19	5 6	0·37	16
..	..	..	..	..	..	..	..	..	..	..	..	..	..	17
..	..	..	..	..	..	..	..	..	..	0·40	0·18	7 8	0·41	18
..	..	..	..	..	0·02	..	..	..	..	0·02	0·02	19 20	0·03	19
..	..	..	..	..	0·24	0·22	..	..	..	0·46	0·24	19 26	0·48	20
..	..	..	..	..	..	..	..	..	..	0·89	**0·79**	6 7	0·90	21
..	..	..	..	..	..	..	..	..	..	0·01	0·01	10 11	0·01	22
..	..	..	..	..	..	..	..	..	..	0·02	0·02	10 11	0·02	23
..	..	..	..	..	..	..	0·30	0·07	0·01	0·38	0·30	21 22	0·38	24
..	..	..	..	..	..	..	..	..	..	0·09	0·09	0 1	0·09	25
..	..	..	0·07	..	0·47	..	..	0·11	..	0·65	0·47	19 20	0·66	26
..	..	0·79	0·13	0·13	0·03	..	0·03	0·06	0·06	1·24	0·79	16 17	1·28	27
..	..	..	..	..	..	..	..	..	..	**2·04**	0·65	0 1	**2·12**	28
..	..	..	..	..	..	..	..	..	..	..	..	..	..	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30
0·04	0·05	1·02	0·31	0·14	0·98	0·26	0·86	0·68	0·38	11·79	..	..	12·12	Total

in the Observatory since 1845.
18h and 19h, and 0·38″ of rain on the 22nd November between 15h and 17h.
April, May and December were dry.
in height of the receiving funnels of the two instruments.
a 'rainy day' to be one on which a tenth of an inch or upwards has fallen,
3·01″ by Pluviograph and 3·12″ by Newman,

(Averages for periods of sixty minutes from full hour to full hour, local mean time.)

JANUARY. (IN MILES PER HOUR.)

Date.	Hours.															
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	5	5	5	5	7	7	7	5	5	5	5	2	4	5	7
2	3	3	2	1	1	1	1	1	3	5	3	4	7	7	7
3	1	3	3	4	3	4	3	3	3	5	3	3	5	7	7
4	3	3	3	3	3	3	3	3	3	7	9	7	7	10	11
5	5	5	5	7	7	7	5	5	7	9	9	8	8	10	11
6	4	4	5	5	5	5	7	7	7	5	5	3	4	7	7
7	3	7	7	5	4	3	6	5	4	3	1	2	3	4	5
8	2	4	5	1	3	3	2	1	1	1	1	3	5	6	7
9	3	5	5	5	5	2	1	1	1	1	1	7	5	5	7
10	5	6	7	7	6	5	3	5	7	7	9	9	7	7	7
11	5	3	3	1	1	2	4	5	3	4	4	4	5	6	6
12	3	2	1	1	2	3	3	3	7	5	5	2	5	5	7
13	6	5	5	4	5	4	3	2	3	5	3	7	7	9	9
14	4	5	7	5	3	4	4	3	5	7	8	9	7	7	7
15	3	2	2	3	4	4	3	4	7	5	4	5	7	5	7
16	3	4	5	3	3	5	5	5	5	5	6	3	3	5	7
17	1	5	5	5	3	7	7	9	9	9	3	3	5	6	5
18	5	7	7	5	4	3	4	5	4	4	3	1	3	5	5
19	1	2	5	5	4	6	5	4	3	3	3	5	7	9	11
20	3	5	3	4	5	4	5	3	3	3	4	7	10	11	12
21	6	5	7	8	7	7	7	3	3	5	5	7	10	13	13
22	5	7	5	5	5	5	4	3	4	5	4	3	7	9	9
23	7	5	5	5	4	5	3	3	3	2	3	7	10	10	11
24	7	6	5	6	4	5	4	5	4	5	5	7	8	7	7
25	5	3	1	3	3	4	5	3	4	2	5	5	7	6	7
26	2	3	2	3	3	3	3	3	3	6	9	7	9	10	9
27	3	4	5	6	4	4	4	3	3	3	3	3	6	7	9
28	3	5	5	3	2	3	3	5	7	5	4	1	5	7	7
29	3	3	2	3	3	3	3	3	5	6	5	3	7	9	9
30	3	3	1	3	2	1	3	5	3	4	4	3	5	9	10
31	1	3	3	4	3	3	5	3	5	5	4	3	5	7	7
Mean ..	3·8	4·2	4·2	4·1	3·9	4·1	4·2	3·9	4·4	4·8	4·5	4·7	6·2	7·4	8.1

FEBRUARY.

1	5	6	3	3	2	3	5	1	1	1	3	4	8	7	9
2	3	4	4	3	5	6	5	3	3	4	6	9	11	11	11
3	3	4	4	3	1	1	3	4	5	5	5	7	5	8	10
4	3	4	1	3	2	3	3	4	4	4	3	4	8	10	9
5	5	3	2	1	3	2	4	5	5	3	3	4	7	7	9
6	3	3	3	1	3	1	1	3	5	6	3	7	11	11	9
7	1	2	6	6	5	6	9	5	5	7	5	3	3	5	6
8	8	7	8	4	5	4	3	4	7	7	8	7	8	7	8
9	1	1	6	7	6	7	5	6	6	6	5	4	5	5	7
10	2	4	5	1	5	3	4	6	5	5	5	7	8	9	7
11	3	4	4	4	8	8	7	8	7	6	4	5	7	7	7
12	4	5	6	10	11	7	5	4	5	7	6	5	7	9	12
13	3	3	3	4	5	6	7	7	7	6	4	3	7	9	10
14	3	3	9	6	7	7	3	3	3	3	3	7	12	13	12
15	7	7	7	5	5	4	5	4	4	3	2	5	7	7	9
16	5	5	7	6	7	5	4	5	3	3	7	8	9	9	10
17	5	7	9	8	10	10	7	2	3	2	1	7	9	10	11
18	7	8	9	11	9	7	5	3	1	3	5	7	8	8	7
19	4	5	7	9	6	3	3	1	1	1	2	5	8	8	8
20	5	6	9	7	7	3	3	3	3	7	7	9	11	11	14
21	7	7	7	5	3	3	3	4	7	7	7	5	9	13	15
22	11	5	3	3	4	3	4	6	10	9	10	12	11	11	11
23	9	9	10	7	5	4	7	4	7	4	6	9	9	11	11
24	7	7	7	3	3	2	3	1	3	3	4	6	5	6	6
25	3	1	1	1	3	4	3	4	5	5	2	5	5	7	9
26	7	7	3	3	3	5	5	4	4	3	5	7	9	7	9
27	6	5	6	5	2	4	3	3	3	3	7	7	7	7	9
28	2	3	3	3	5	3	6	7	7	15	15	13	10	7	7
29	1	3	1	1	1	3	1	2	4	5	1	2	7	9	9
Mean .	4·6	4 8	5·3	4·6	4·9	4·4	4·3	4·0	4·6	5·0	5·0	6·3	7·9	8 6	9 3

JANUARY. (IN MILES PER HOUR.)

Hours.									Mean.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
7	7	5	7	7	7	5	3	3	5·2	1 12	13	11 14	0	1
7	5	5	7	5	4	3	1	2	3·7	15 30	10	3 38	0	2
7	7	7	7	9	7	5	3	3	4·7	19 45	14	1 18	0	3
11	9	9	9	11	9	7	5	5	6·4	14 45	17	1 16	1	4
11	13	15	14	13	9	9	7	4	8·5	17 48	25	8 16	2	5
9	10	9	7	7	5	5	4	3	5·9	16 20	15	23 21	0	6
4	3	1	1	1	1	2	3	1	3·3	2 13	10	0 22	0	7
6	5	4	7	5	5	4	5	5	3·8	14 40	9	3 30	0	8
8	10	10	9	7	7	7	5	5	5·1	16 40	15	6 33	0	9
8	11	9	10	9	7	5	5	5	7·0	18 47	16	5 56	1	10
7	7	7	9	9	10	7	1	3	4·9	18 48	14	22 43	0	11
7	5	6	7	5	6	5	5	3	4·3	8 58	12	1 25	0	12
11	10	11	11	11	11	7	5	3	6·5	18 54	18	7 19	2	13
9	9	9	8	7	6	5	3	3	6·0	15 19	15	21 52	1	14
7	9	9	8	8	7	7	8	5	5·5	17 18	14	10 59	0	15
7	7	7	7	7	5	3	3	4	4·9	18 5	11	0 38	0	16
5	7	5	7	7	6	5	4	3	5·4	7 20	12	0 52	0	17
7	7	5	5	1	1	1	0	0	3·7	15 53	10	19 25	0	18
11	11	11	10	9	8	7	7	5	6·4	14 18	18	0 0	0	19
13	13	11	13	11	7	7	7	6	7·1	15 50	21	9 10	0	20
13	13	13	13	14	13	11	7	7	8·7	20 7	23	8 12	2	21
11	13	11	11	10	10	7	7	8	7·0	16 28	20	11 46	1	22
12	12	12	10	9	6	7	7	7	6·9	17 4	19	7 43	0	23
9	10	10	10	9	7	7	6	5	6·7	16 7	16	23 8	1	24
8	9	7	7	7	4	4	5	5	4·9	16 52	13	1 14	0	25
10	10	10	9	7	7	5	7	6	6·1	16 38	16	7 45	0	26
10	11	9	9	7	6	7	4	3	5·7	18 13	16	23 55	0	27
9	8	10	9	10	9	4	6	5	5·6	18 42	16	0 0	0	28
10	10	10	12	11	8	3	3	3	5·8	18 52	18	11 30	0	29
9	9	9	7	7	3	3	5	5	4·9	14 40	16	0 2	0	30
7	8	9	7	7	5	6	7	6	5·3	17 9	14	0 5	0	31
8·7	8·9	8·7	8·5	8·1	6·7	5·4	4·9	4·1	5·7					Mean

FEBRUARY.

9	9	9	5	5	4	5	3	3	4·6	15 32	16	8 7	0	1
11	9	9	10	10	9	9	6	3	6·8	12 38	18	9 43	0	2
9	11	12	13	12	10	7	5	3	6·4	18 28	21	4 37	0	3
9	12	11	10	10	7	2	1	3	5·4	16 15	19	2 15	0	4
9	7	5	3	1	1	3	3	3	4·0	14 40	14	3 58	0	5
7	6	2	3	3	2	5	5	3	4·4	13 35	16	1 20	0	6
9	11	9	6	6	7	7	7	9	6·0	16 30	17	0 47	0	7
8	8	7	5	4	5	4	3	2	5·9	14 50	14	22 40	0	8
8	9	7	6	6	7	7	4	3	5·4	15 41	13	0 0	0	9
9	9	9	9	9	7	5	2	3	5·7	12 44	16	2 58	0	10
9	7	9	11	12	11	7	5	5	7·0	19 20	19	11 16	1	11
13	15	13	13	13	15	11	5	5	8·5	20 8	22	11 35	1	12
10	11	11	11	9	5	3	5	3	6·3	17 58	17	0 50	0	13
13	13	13	14	13	11	9	7	7	8·1	18 42	22	9 15	1	14
10	11	11	11	10	9	3	3	4	6·4	17 33	18	9 54	0	15
10	10	9	10	10	8	3	6	5	6·8	15 37	16	9 11	0	16
10	10	9	9	7	6	5	3	5	6·8	5 16	18	7 48	0	17
7	9	7	5	3	0	1	2	5	5·6	3 5	19	7 55	0	18
9	10	10	11	11	7	2	3	3	5·7	17 54	18	6 12	0	19
14	15	13	11	9	9	7	6	7	8·3	16 13	24	8 23	1	20
15	13	11	11	9	11	11	11	11	8·7	15 18	24	11 2	1	21
9	9	12	11	11	10	11	9	8	8·6	13 56	20	2 41	1	22
12	11	10	11	8	6	6	7	7	7·9	15 32	19	9 32	0	23
6	5	3	3	2	3	3	5	4	4·2	2 20	13	4 10	0	24
9	9	11	9	5	4	4	5	6	5·1	17 45	17	1 7	0	25
10	11	11	11	11	11	9	5	5	6·8	16 32	18	2 20	0	26
10	8	9	8	7	5	4	3	1	5·5	15 40	14	4 10	0	27
7	5	5	3	1	1	1	1	0	5·4	10 20	20	0 8	0	28
9	11	9	7	7	3	3	1	3	4·3	16 22	15	0 0	0	29
9·6	9·8	9·2	8·6	7·8	6·7	5·4	4·5	4·5	6·2					Mean

MARCH. (IN MILES PER HOUR.)

Date.	Hours.														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	2	2	4	3	2	3	3	3	3	3	3	6	5	7	9
2	9	10	3	4	4	5	5	5	5	7	4	7	9	10	11
3	3	5	9	9	5	3	2	4	3	3	1	7	7	8	11
4	4	5	1	1	3	4	7	9	9	9	5	4	3	7	9
5	1	1	1	3	3	5	7	5	4	3	3	3	5	5	5
6	1	3	3	1	1	3	5	1	1	1	5	9	10	9	9
7	3	5	3	1	3	3	1	5	1	1	2	5	6	7	7
8	5	7	6	5	6	5	2	3	5	3	6	8	11	9	11
9	5	4	3	5	5	7	5	5	5	5	5	7	8	11	11
10	7	7	9	9	9	3	3	3	4	5	3	7	7	7	10
11	3	4	9	9	4	4	3	3	3	3	2	3	7	5	5
12	3	1	1	1	0	3	7	9	6	7	9	6	7	7	7
13	4	1	2	2	7	7	7	7	4	3	1	5	7	8	7
14	1	1	1	1	2	1	1	1	3	2	5	7	7	10	9
15	5	3	3	3	3	3	3	4	3	1	3	5	5	7	10
16	3	2	3	4	3	4	5	5	4	5	5	7	9	11	12
17	1	6	3	4	4	7	5	5	7	7	4	5	5	6	5
18	11	8	3	3	3	1	3	1	1	1	4	6	6	7	7
19	9	5	3	2	1	3	4	1	3	4	3	4	7	11	12
20	7	4	5	4	5	1	1	3	1	2	6	7	10	9	10
21	10	4	3	5	5	6	7	1	3	4	4	7	7	8	11
22	1	1	1	2	6	3	3	3	3	3	7	7	8	8	8
23	1	1	3	7	10	9	5	7	4	5	4	6	7	7	9
24	1	3	5	5	3	3	4	3	3	3	3	6	7	11	12
25	3	2	4	3	3	2	4	3	5	5	7	8	7	9	11
26	5	3	3	3	2	2	1	3	2	3	7	8	9	7	8
27	1	1	1	1	3	2	2	3	1	3	4	7	7	9	9
28	0	3	1	3	3	3	3	3	5	5	6	9	10	10	11
29	3	1	3	3	5	3	3	7	3	3	5	7	11	10	9
30	7	8	9	7	5	4	5	1	3	5	7	8	9	9	10
31	5	1	0	1	2	7	1	1	3	3	3	7	7	7	8
Mean ..	4·0	3·6	3·5	3·7	3·9	3·9	3·7	3·8	3·5	3·8	4·4	6·3	7·3	8·2	9·1

APRIL.

1	9	7	9	10	9	7	7	6	3	3	4	5	7	9	9
2	3	3	1	1	2	1	1	1	1	3	6	6	5	7	8
3	3	1	3	3	1	1	2	2	1	3	3	5	5	5	5
4	1	3	2	2	1	1	1	3	5	5	4	7	9	11	10
5	3	5	7	9	9	9	5	3	5	7	7	8	7	9	12
6	7	9	10	5	3	3	3	3	4	7	7	10	10	11	12
7	7	7	8	7	3	3	3	4	3	3	4	7	8	9	9
8	8	7	4	3	2	1	5	5	7	3	4	6	6	8	7
9	3	2	2	1	1	1	1	3	5	3	3	5	8	9	9
10	3	3	3	3	4	5	6	5	6	4	7	11	12	15	15
11	9	7	7	6	6	3	3	3	3	3	6	7	9	13	12
12	6	5	6	7	7	8	7	7	7	8	7	9	7	9	9
13	3	3	5	3	3	3	4	6	7	7	5	8	9	10	11
14	11	11	13	5	7	5	3	3	6	5	5	6	8	9	9
15	7	3	3	3	3	3	3	3	2	3	3	7	8	8	8
16	3	3	3	3	3	3	4	3	1	3	5	5	7	7	7
17	1	1	1	1	0	3	1	1	1	2	3	3	5	7	7
18	1	1	1	1	0	5	3	3	1	1	3	3	5	7	7
19	3	1	1	3	3	3	3	4	3	3	3	7	10	11	12
20	3	3	3	1	1	1	2	3	3	3	5	6	9	7	7
21	5	5	5	3	5	1	1	1	1	3	3	3	4	5	5
22	3	7	7	3	1	3	4	6	6	5	3	4	4	5	5
23	7	5	6	5	5	5	5	5	5	5	5	3	3	5	6
24	8	7	3	5	5	3	2	1	3	2	4	5	7	7	5
25	1	1	3	3	1	0	1	3	2	3	3	4	7	7	7
26	1	1	3	7	11	11	10	6	5	3	3	5	7	7	8
27	5	1	2	1	1	1	1	3	3	1	3	5	6	7	8
28	4	3	3	1	1	1	2	3	3	4	5	6	6	8	10
29	3	3	2	1	1	2	1	5	4	3	5	7	9	11	11
30	6	6	7	4	3	3	3	3	5	2	7	7	9	7	7
Mean ..	4·4	4·1	4·4	3·6	3·5	3·3	3·2	3·6	3·7	3·7	4·5	6·0	7·2	8·4	8·6

MARCH. (IN MILES PER HOUR.)

Hours.									Mean.	Mean velocity by New Dines.	Maximum.			Minimum.			Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.		Mag.	Time.		Mag.	
											H.	M.		H.	M.		
11	10	11	10	8	8	7	6	7	5·7	7·8	15	55	19	0	20	0	1
13	12	11	10	10	11	7	5	5	7·5	10·2	15	55	21	10	7	0	2
11	11	11	11	9	9	7	3	5	6·5	9·1	15	55	20	1	16	0	3
8	7	7	5	6	3	2	3	1	5·1	7·1	17	17	15	1	47	0	4
4	3	1	3	5	3	3	2	1	3·2	4·5	14	10	11	0	0	0	5
9	7	10	11	7	1	3	1	3	4·7	6·1	16	2	20	0	0	0	6
7	7	8	11	11	7	5	3	1	4·7	6·6	18	30	17	2	2	0	7
8	10	11	11	9	9	7	7	6	7·0	9·6	16	32	16	5	52	0	8
11	11	9	10	11	9	3	5	7	6·9	9·7	14	28	19	2	1	0	9
10	11	11	10	9	5	5	2	2	6·5	8·7	17	15	18	7	23	0	10
6	5	5	2	1	5	7	6	7	4·5	6·0	3	13	14	0	0	0	11
7	5	4	3	4	5	7	5	7	5·0	6·9	12	6	15	0	42	0	12
8	7	7	5	1	2	3	2	3	4·5	6·0	13	22	12	1	0	0	13
12	10	11	10	7	5	5	6	5	5·1	7·3	15	30	19	0	4	0	14
10	9	8	9	9	9	6	5	4	5·5	7·7	16	14	16	1	56	0	15
10	11	10	9	3	3	6	3	3	5·9	8·2	14	35	18	0	49	0	16
4	5	4	1	1	3	4	3	9	4·5	6·0	14	14	13	0	0	0	17
9	9	8	9	7	5	3	3	6	5·0	6·6	0	37	14	3	14	0	18
11	11	10	9	6	5	4	5	9	6·0	8·0	14	56	21	3	22	0	19
11	12	11	13	11	9	5	2	5	6·5	8·9	17	54	19	5	8	0	20
13	11	9	9	8	2	1	2	3	6·0	8·3	15	43	20	1	50	0	21
7	5	4	2	1	0	3	1	1	3·7	4·7	14	4	12	0	18	0	22
8	7	9	7	5	4	3	1	1	5·3	7·0	5	35	14	0	0	0	23
10	9	9	9	9	5	3	3	3	5·7	8·0	14	43	18	0	0	0	24
13	13	13	12	9	5	7	9	9	7·0	10·1	15	20	20	1	38	0	25
10	10	7	7	5	3	4	5	3	5·0	6·9	15	32	17	1	52	0	26
10	10	11	11	7	5	3	1	1	4·7	6·3	17	56	17	0	6	0	27
10	9	7	6	5	3	5	7	7	5·5	8·2	13	8	18	0	0	0	28
11	10	11	9	7	6	5	4	7	6·2	9·0	15	36	17	0	8	0	29
10	10	9	9	7	6	1	3	6	6·6	8·9	16	4	15	5	40	0	30
7	5	3	2	3	7	10	9	9	4·5	5·4	21	45	12	0	30	0	31
9·3	8·8	8·3	7·9	6·4	5·3	4·6	4·0	4·7	5·5	7·5							Mean

APRIL.

9	9	5	6	5	3	3	6	6	6·5	8·7	3	57	14	9	25	0	1
9	7	6	5	3	1	1	1	2	3·6	5·2	14	21	14	0	35	0	2
9	8	6	4	3	1	3	1	1	3·2	4·5	14	58	11	0	0	0	3
9	11	11	9	8	4	3	2	3	5·2	7·4	16	42	16	0	0	0	4
12	12	11	11	11	7	7	9	9	8·2	11·4	15	29	20	0	5	0	5
12	12	13	11	13	10	5	7	6	8·0	11·2	17	14	20	4	8	0	6
9	8	7	7	5	2	1	1	5	5·4	7·6	16	28	14	4	5	0	7
7	6	5	4	3	4	7	5	1	4·9	7·1	13	2	13	1	42	0	8
11	11	9	7	5	3	3	1	3	4·6	5·9	15	40	14	0	10	0	9
15	12	11	10	9	9	9	8	8	8·1	11·1	14	48	23	0	10	0	10
11	11	9	9	9	7	5	3	5	7·0	10·0	13	56	16	4	49	0	11
8	7	7	7	7	7	4	3	3	6·7	11·2	13	40	10	7	39	0	12
13	13	11	11	11	9	7	7	9	7·4	11.9	14	40	15	0	0	0	13
8	7	7	9	7	9	7	7	6	7·3	11·0	2	7	17	6	31	0	14
10	11	11	10	5	5	5	7	5	5·7	9·2	16	9	13	5	50	0	15
8	6	5	3	3	3	5	3	3	4·1	6·8	13	9	9	0	11	0	16
8	7	5	5	3	3	1	1	1	3·0	4·8	15	51	8	0	15	0	17
8	8	6	5	3	3	1	2	2	3·3	5·3	15	33	9	0	0	0	18
11	10	9	7	5	3	3	3	3	5·0	8·2	14	29	15	0	0	0	19
7	8	5	4	3	3	6	3	5	4·2	7·2	16	16	9	0	24	0	20
5	3	3	3	3	2	1	3	3	3·2	5·8	1	11	6	2	58	0	21
4	3	3	3	6	6	5	3	7	4·4	7·5	23	57	8	0	0	0	22
7	9	7	4	3	3	1	1	3	4·7	8·5	16	42	9	21	6	0	23
7	7	7	7	5	4	6	6	3	4·9	8·8	1	10	8	6	7	0	24
8	9	6	4	1	3	3	1	1	3·2	5·6	16	38	9	0	0	0	25
9	7	7	9	9	7	7	6	7	6·5	10·2	18	49	12	0	0	0	26
9	9	8	7	3	4	3	3	3	4·1	6·7	16	48	9	0	25	0	27
9	9	7	5	3	1	1	1	4	4·2	6·1	14	54	12	2	35	0	28
11	12	9	9	7	6	6	5	5	5·7	8·0	16	9	14	1	59	0	29
9	8	9	8	5	5	6	5	4	5·8	8·1	12	21	11	9	36	0	30
9·0	8·6	7·5	6·7	5·5	4·6	4·3	3·9	4·1	5·3	8·0							Mean

MAY. (IN MILES PER HOUR.)

Date.	Hours.															
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	4	2	4	1	0	0	1	2	5	6	3	5	8	11	10
2	3	1	1	1	1	0	0	1	2	3	4	4	5	7	9
3	4	5	5	3	3	2	2	2	4	3	5	6	7	7	8
4	2	3	3	3	3	3	3	3	3	3	4	4	6	7	8
5	3	3	1	1	0	0	5	5	3	3	4	5	5	8	8
6	5	3	3	3	3	1	1	1	2	3	5	6	7	7	9
7	3	3	2	1	1	0	0	1	3	3	6	6	8	9	10
8	5	4	3	3	3	3	2	3	2	4	6	7	8	9	10
9	6	5	5	6	4	3	1	1	3	5	7	7	7	7	8
10	3	3	3	5	5	1	3	3	3	3	3	4	5	5	5
11	3	3	3	2	3	2	1	2	2	3	3	3	4	7	9
12	2	3	1	2	2	2	3	3	2	1	3	6	6	9	11
13	2	3	3	3	3	2	3	3	3	3	3	4	7	7	7
14	3	3	5	3	3	1	3	5	7	7	7	5	5	5	6
15	3	3	3	3	2	1	1	3	6	7	7	6	5	6	6
16	4	5	3	4	3	3	3	3	5	5	5	5	7	7	7
17	9	7	8	7	7	9	11	12	11	10	9	6	5	5	5
18	3	3	2	3	3	2	2	3	3	4	4	5	7	7	7
19	3	3	3	4	4	3	3	3	3	5	5	7	9	8	9
20	5	3	5	6	6	6	4	5	5	5	7	7	8	9	9
21	6	7	6	6	4	3	5	3	3	5	5	6	7	7	9
22	2	1	1	1	0	0	2	3	3	3	3	3	7	9	10
23	3	3	3	3	1	1	1	1	3	3	6	7	9	9	9
24	3	3	3	3	2	2	2	1	3	4	4	3	3	5	5
25	3	2	2	3	3	1	2	1	3	4	5	7	7	9	9
26	5	4	4	4	3	4	4	4	4	4	6	5	6	6	7
27	4	4	3	4	3	3	4	5	5	6	7	7	9	9	11
28	3	3	3	3	3	3	3	3	3	3	5	6	7	7	9
29	4	3	3	3	3	2	1	3	3	3	5	5	5	5	6
30	3	3	3	1	1	1	1	1	3	5	5	5	5	7	6
31	2	3	7	8	9	9	9	11	11	12	7	6	7	6	6
Mean ..	3·7	3·4	3·4	3·3	2·8	2·4	2·8	3·4	3·9	4·5	5·2	5·5	6·4	7·2	8·0

JUNE.

1	3	3	1	1	1	3	1	1	2	3	3	4	5	5	6
2	5	4	4	3	3	3	3	3	3	3	3	5	5	5	6
3	6	5	3	3	3	2	2	3	4	3	4	5	6	7	7
4	3	3	4	4	3	3	3	3	5	5	5	6	8	7	7
5	6	5	4	5	5	6	6	4	5	5	5	7	8	8	11
6	7	7	7	7	8	9	5	3	3	6	7	9	11	11	10
7	5	7	8	7	7	8	7	7	7	7	9	9	9	9	11
8	1	1	6	6	5	5	6	6	6	6	6	7	7	8	7
9	3	3	3	3	3	3	3	3	3	5	4	5	5	3	5
10	3	4	4	4	3	3	3	3	3	3	5	5	7	8	9
11	5	3	3	3	3	5	3	3	3	5	5	5	3	3	4
12	7	7	9	11	9	7	11	15	13	11	10	11	9	15	11
13	17	17	17	17	15	15	14	10	11	9	5	5	5	4	5
14	10	10	8	9	7	3	2	7	17	17	15	13	10	9	9
15	11	11	11	9	10	9	9	14	15	17	16	15	15	14	15
16	15	14	14	15	15	11	14	11	10	17	17	17	12	15	14
17	17	21	26	19	14	19	27	21	23	21	20	19	23	19	23
18	14	15	16	17	22	19	19	17	8	15	12	15	13	12	7
19	11	10	8	8	9	9	11	9	9	9	9	9	11	11	10
20	8	8	7	7	7	7	6	5	7	6	7	7	7	7	7
21	11	9	7	9	9	8	7	7	9	10	9	7	9	7	5
22	4	4	6	7	5	5	5	5	5	5	5	7	5	6	5
23	4	4	5	5	3	4	3	3	4	7	3	4	7	7	7
24	5	6	8	9	9	11	9	7	7	7	6	7	7	7	7
25	7	8	9	7	9	9	9	7	7	7	7	8	9	9	8
26	7	9	8	8	9	9	7	9	7	8	9	7	11	11	11
27	10	11	9	10	10	11	10	9	10	9	10	9	11	9	11
28	7	7	7	7	7	7	7	7	8	7	7	9	8	8	8
29	8	9	9	9	8	9	9	9	9	9	9	9	9	9	9
30	9	7	8	8	8	8	7	8	7	8	9	9	9	8	7
Mean ..	7·7	7·7	8·1	8·0	7·7	7·6	7·7	7·3	7·7	8·3	8·1	8·5	8·7	8·6	8·7

MAY. (IN MILES PER HOUR.)

Hours.									Mean.	Mean velocity by New Dines.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
9	9	13	12	12	7	5	4	3	5·5	7·5	18 56	16	3 4	0	1
11	11	9	7	5	3	1	3	4	4·0	5·3	15 15	13	2 14	0	2
9	7	6	6	5	5	5	3	3	4·8	6·5	13 20	10	5 29	0	3
8	7	7	3	3	3	3	3	3	4·1	5·7	15 55	10	0 47	0	4
9	9	9	7	5	4	3	5	6	4·6	6·1	13 49	12	0 3	0	5
9	9	7	6	4	3	5	6	5	4·7	6·2	15 4	11	5 58	0	6
9	9	7	7	5	5	4	4	5	4·6	6·5	15 32	14	3 55	0	7
11	11	11	9	9	9	7	5	6	6·3	9·4	16 14	16	6 18	1	8
9	7	5	5	4	3	3	3	3	4·9	7·2	15 29	10	6 42	1	9
5	4	3	4	3	3	3	3	2	3·5	5·2	14 10	9	22 22	0	10
11	11	11	9	7	6	4	3	4	4·9	6·7	15 36	13	21 33	0	11
9	10	9	7	5	3	3	2	3	4·6	6·0	14 56	15	6 12	0	12
6	6	5	6	6	3	5	3	3	4·1	5·3	14 6	9	7 2	1	13
7	5	5	4	3	3	3	3	3	4·4	6·0	10 35	10	18 56	0	14
6	6	5	6	6	7	5	7	7	5·0	7·1	23 3	14	17 29	1	15
7	8	7	7	7	5	5	5	9	5·5	8·3	15 53	12	11 10	1	16
7	7	6	5	5	4	2	3	2	6·8	9·7	7 27	14	23 12	0	17
7	8	7	6	5	3	3	3	3	4·3	5·8	16 5	10	0 2	0	18
10	9	9	10	9	7	7	6	5	6·1	8·7	18 18	12	1 1	0	19
9	10	7	6	5	5	4	5	5	6·1	9·5	14 46	14	8 35	1	20
10	11	11	9	5	6	5	4	2	6·0	8·9	16 48	14	23 10	1	21
11	13	11	9	9	4	5	3	2	4·9	6·6	16 28	16	4 30	0	22
11	11	12	10	9	8	6	5	3	5·8	8·1	15 38	14	5 40	0	23
7	6	6	7	4	5	5	5	3	4·0	5·4	15 40	8	4 7	1	24
9	10	11	9	8	5	5	5	5	5·3	6·5	17 37	13	5 17	1	25
9	9	7	7	6	6	6	4	5	5·4	6·5	16 17	11	12 14	1	26
11	11	9	8	5	4	4	4	3	6·0	7·7	14 42	14	4 42	0	27
9	9	7	7	6	7	5	3	5	5·1	6·2	16 50	11	22 30	1	28
7	7	7	5	3	3	2	4	3	3·9	4·8	15 20	9	19 51	0	29
5	5	3	3	3	3	3	2	3	3·3	4·1	14 21	10	5 23	0	30
7	6	5	5	3	3	3	3	3	6·2	8·3	8 4	16	0 25	0	31
8·5	8·4	7·7	6·7	5·6	4·6	4·2	4·0	4·0	5·0	6·8					Mean

JUNE.

6	7	5	5	5	4	3	3	4	3·6	5·0	15 3	11	3 25	0	1
7	6	5	5	4	5	4	4	3	4·3	6·2	0 20	11	9 33	0	2
8	7	7	6	4	3	3	4	5	4·7	6·0	14 43	12	9 56	0	3
7	7	7	8	7	5	5	5	5	5·3	7·1	12 50	12	4 43	1	4
9	11	11	9	8	7	7	6	6	6·9	9·1	16 15	17	8 51	1	5
11	11	9	7	7	9	9	8	5	7·7	10·5	13 54	18	7 40	0	6
9	9	9	9	7	5	3	3	2	7·3	9·7	14 20	14	23 41	0	7
9	8	7	7	7	5	3	5	3	5·7	7·0	15 15	12	1 12	0	8
5	6	7	7	7	5	5	5	4	4·4	5·6	18 50	11	13 44	1	9
8	8	8	7	7	6	5	5	5	5·3	6·5	15 18	14	0 41	1	10
7	9	7	3	1	1	3	3	3	4·0	4·7	16 11	20	19 12	0	11
3	4	13	13	15	16	16	17	17	11·3	13·2	8 50	23	12 22	0	12
4	5	3	3	5	7	7	7	8	8·7	10·0	2 32	22	16 38	0	13
7	8	7	7	10	11	13	14	15	9·8	11·3	9 29	20	4 44	0	14
15	13	15	17	17	19	17	19	19	14·2	15·6	23 2	28	6 16	4	15
15	23	22	11	13	23	23	21	23	16·0	18·3	17 32	36	18 35	2	16
20	17	21	21	12	17	19	20	17	20·1	22·7	2 1	39	19 35	3	17
6	7	10	7	15	17	14	15	15	13·5	16·5	5 42	33	8 16	1	18
11	9	9	7	7	6	7	7	7	8·7	14·0	12 48	20	20 42	1	19
7	7	11	9	9	7	6	7	7	7·0	11·2	17 33	16	9 7	1	20
7	7	7	7	5	5	3	5	5	7·1	10·4	1 9	17	14 5	1	21
5	5	5	5	4	5	4	5	3	5·0	7·9	3 22	11	0 42	1	22
9	7	5	5	5	4	5	4	5	4·9	7·9	9 32	18	3 59	1	23
7	7	8	7	7	7	7	9	11	7·6	12·6	22 56	25	15 48	2	24
8	8	9	8	8	9	8	8	9	8·2	13·9	4 10	24	9 25	1	25
11	11	9	9	9	7	9	10	10	9·0	14·3	12 43	32	0 6	1	26
10	9	10	10	11	10	9	8	9	9·7	15·4	8 56	22	11 26	1	27
8	8	8	8	7	7	7	9	9	7·6	13·5	17 53	21	6 10	1	28
9	9	8	9	7	8	8	9	8	8·8	14·9	5 46	18	9 55	1	29
7	8	9	8	7	9	8	9	11	8·2	13·7	22 50	20	19 11	1	30
8·5	8·7	9·0	8·1	7·8	8·3	8·1	8·4	8·5	8·2	11·2					Mean

JULY. (IN MILES PER HOUR.)

Date.	Hours.														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	9	9	7	11	5	7	7	8	7	7	7	7	7	7	8
2	10	11	10	11	7	7	7	7	7	8	11	11	14	11	4
3	4	7	4	2	3	6	6	5	3	3	4	3	4	7	7
4	2	2	2	1	6	6	5	7	7	6	7	5	7	7	7
5	5	5	3	6	5	4	7	7	7	7	7	12	16	15	13
6	9	10	12	9	11	17	17	14	13	13	15	15	15	13	15
7	5	4	2	3	7	3	9	6	3	1	3	3	1	3	1
8	8	7	5	5	9	9	5	7	9	11	9	13	7	9	7
9	8	9	13	16	10	7	7	7	7	6	7	9	11	4	9
10	5	5	7	10	13	13	13	13	12	11	11	13	17	9	12
11	5	7	7	9	9	11	11	9	7	7	7	7	7	8	8
12	10	11	11	10	11	11	9	11	14	14	12	14	12	13	11
13	9	9	11	11	9	9	12	12	11	11	10	9	9	9	11
14	11	11	10	10	9	10	9	9	11	11	10	10	9	10	9
15	10	10	9	10	7	10	9	9	9	9	9	10	9	10	9
16	9	9	9	8	8	7	8	9	9	9	9	9	9	11	11
17	9	9	7	9	11	7	11	10	9	11	7	9	9	11	10
18	9	9	13	9	11	11	9	13	11	7	12	9	9	9	9
19	9	9	10	9	9	9	11	11	10	9	9	9	9	7	9
20	10	9	11	9	11	10	9	10	10	9	10	10	9	9	9
21	9	9	9	9	9	9	9	9	7	7	7	7	7	9	8
22	9	9	9	8	8	7	8	7	7	7	8	8	9	9	9
23	9	10	10	9	9	11	11	12	13	13	9	11	10	11	11
24	13	12	11	11	13	13	11	12	13	11	10	13	13	13	12
25	13	13	13	12	13	14	13	11	12	11	11	10	11	13	11
26	9	9	11	11	12	11	9	9	9	9	10	10	11	10	11
27	9	11	10	10	11	10	10	10	11	9	11	10	9	10	10
28	9	9	10	11	9	11	10	11	13	13	11	11	11	11	10
29	9	11	12	13	13	13	11	11	11	9	11	10	13	9	9
30	11	8	10	11	10	11	11	10	11	9	12	10	10	11	10
31	9	10	9	9	8	11	8	7	7	9	9	10	9	9	8
Mean . .	8·6	8·8	9·0	9·1	9·4	9·5	9·4	9·5	9·4	9·1	9·3	9·6	9·8	9·6	9·2

AUGUST.

1	9	8	9	9	8	9	9	9	7	7	9	9	9	9	9
2	9	9	9	11	9	9	10	9	9	10	9	11	9	11	12
3	10	10	11	12	11	10	9	8	11	9	11	10	11	11	11
4	10	9	10	11	10	10	9	10	8	9	7	9	8	7	11
5	9	9	11	11	10	9	9	7	7	9	7	7	9	9	7
6	10	11	10	9	9	9	10	8	8	7	10	9	7	9	7
7	7	8	7	9	10	7	7	9	8	6	8	7	9	8	6
8	6	7	7	7	7	7	7	7	7	9	9	9	8	9	9
9	9	9	8	9	9	8	7	9	8	8	7	9	8	8	7
10	8	9	9	9	9	7	9	7	7	7	9	7	7	7	8
11	9	7	9	7	7	9	8	10	9	7	6	7	7	7	7
12	6	5	5	6	7	7	7	7	7	7	7	7	7	7	7
13	7	6	7	7	7	7	8	9	7	7	7	7	8	9	8
14	5	9	7	7	7	9	9	5	5	7	7	7	7	7	7
15	7	7	7	6	6	7	5	5	7	5	5	7	6	7	7
16	5	4	5	6	4	3	5	4	5	7	7	9	8	7	5
17	5	4	5	4	3	3	3	5	5	6	5	6	5	5	5
18	4	4	5	5	7	5	6	7	9	9	9	11	5	6	5
19	4	6	5	5	4	4	4	6	7	7	7	9	7	6	4
20	1	2	1	1	1	3	3	3	5	3	1	3	3	4	5
21	3	3	3	1	2	1	2	1	3	3	2	3	4	5	7
22	3	1	2	7	7	7	5	6	7	7	4	7	7	9	11
23	5	3	2	2	5	5	3	3	4	5	4	3	2	5	5
24	9	7	8	9	10	10	14	13	9	5	6	6	7	9	9
25	3	5	4	5	5	5	6	7	6	6	8	10	10	11	11
26	10	11	8	9	9	11	12	13	13	14	19	14	10	13	16
27	16	16	15	13	12	13	11	13	11	13	13	16	11	7	11
28	13	13	12	13	15	14	15	15	14	19	14	16	19	15	18
29	15	15	14	19	18	17	17	20	15	16	15	15	16	14	17
30	10	11	13	15	15	13	14	11	13	13	13	13	11	13	11
31	9	10	9	9	10	10	11	10	11	10	9	9	8	7	9
Mean . .	7·7	7·7	7·6	8·3	8·1	8·0	8·1	8·3	8·0	8·4	8·2	8·8	8·2	8·4	8·8

JULY. (IN MILES PER HOUR.)

Hours.									Mean.	Mean velocity by New Dines.	Maximum.		Minimum.		Date.
15—16	16-17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
7	8	7	7	7	7	8	9	10	7·7	13·0	3 32	23	16 30	0	1
5	2	4	3	6	7	3	5	6	7·5	10·8	19 44	23	16 37	0	2
3	4	4	3	3	3	2	2	3	**4·0**	**5·6**	8 15	14	4 25	0	3
5	4	4	5	3	5	4	5	7	4·9	6·5	13 7	15	3 35	0	4
15	16	19	**21**	17	11	10	7	7	10·1	12·5	18 59	29	2 35	1	5
13	11	11	9	11	7	9	9	9	12·0	14·1	5 56	24	18 50	2	6
6	4	6	4	5	5	6	6	6	4·3	6·6	5 3	14	3 21	0	7
5	3	6	2	4	9	5	5	9	7·0	9·9	11 29	23	19 40	0	8
13	11	1	8	9	7	5	5	3	8·0	11·0	15 33	26	17 53	0	9
13	12	5	7	7	7	7	5	5	9·6	11·6	15 52	23	0 11	0	10
7	7	7	7	9	9	9	7	9	8·0	12·2	23 55	26	16 39	1	11
13	11	11	12	11	9	9	10	10	11·3	17·4	7 27	26	0 25	3	12
11	11	10	9	10	11	11	10	11	10·3	16·0	7 39	**30**	11 39	2	13
9	9	8	9	9	9	9	7	9	9·5	15·3	10 30	26	15 30	2	14
9	10	11	10	10	9	8	9	7	9·3	15·0	11 47	22	14 16	2	15
11	9	10	9	8	7	8	8	9	8·9	14·1	8 45	20	17 10	3	16
11	8	9	10	9	9	9	9	9	9·3	14·5	4 40	21	11 7	1	17
8	9	11	9	7	7	7	7	9	9·4	15·0	2 42	26	20 2	2	18
7	9	8	9	9	9	9	10	9	9·1	16·0	1 32	23	15 24	2	19
10	10	9	10	9	9	9	9	9	9·6	15·7	16 35	25	3 38	2	20
9	7	8	8	9	9	8	9	9	8·4	14·3	6 57	18	11 55	2	21
9	9	7	9	9	9	9	9	9	8·4	13·7	13 35	18	22 23	3	22
9	8	9	11	11	7	7	5	8	9·8	14·0	19 12	22	20 29	2	23
11	12	13	15	11	13	11	12	11	**12·1**	16·7	20 29	29	1 12	2	24
7	8	9	8	7	9	11	10	10	10·9	16·4	1 55	24	15 39	2	25
11	10	10	11	11	10	9	9	11	10·1	16·8	23 21	24	8 50	2	26
10	9	9	9	9	9	9	11	9	9·9	16·0	7 52	24	8 56	2	27
11	10	9	9	9	9	9	10	11	10·4	16·5	19 50	24	18 36	1	28
11	10	11	11	12	11	10	11	10	11·0	**17·5**	12 23	26	16 43	2	29
12	12	11	11	10	12	11	11	9	10·5	16.9	6 54	27	6 15	2	30
9	9	8	9	9	9	9	9	9	8·8	15.1	19 24	22	14 35	1	31
9·4	8·8	8·6	8·9	8·7	8·4	8·1	**8·0**	8·5	9·0	13·8					Mean.

AUGUST.

9	9	9	9	8	9	9	11	9	8·7	14·7	11 35	22	10 26	1	1
13	13	11	11	9	9	9	9	11	10·1	15·7	15 58	24	6 20	2	2
11	11	11	11	10	9	10	10	11	10·4	16·3	8 2	24	7 27	2	3
9	9	10	9	9	9	9	9	9	9·2	15·0	18 14	25	8 7	2	4
7	7	8	7	7	10	7	7	9	8·2	13·2	20 48	22	7 25	2	5
8	7	9	5	5	5	7	7	5	7·9	11·9	3 25	23	3 43	2	6
6	5	5	5	7	5	5	7	5	6·9	10·7	3 40	20	17 13	1	7
9	10	9	9	9	11	10	9	9	8·3	12·7	9 4	20	4 35	2	8
7	7	7	7	9	7	8	9	8	8·0	12·8	22 42	18	9 48	1	9
8	8	7	7	7	7	7	7	7	7·6	12·4	23 15	16	17 33	1	10
7	6	7	6	5	5	7	6	7	7·1	11·5	2 59	19	10 38	1	11
7	7	7	6	5	7	5	6	7	6·5	11·2	9 45	14	2 7	1	12
7	7	5	7	7	8	8	7	9	7·3	12·5	20 40	20	10 56	1	13
7	7	7	6	6	6	5	7	7	6·8	11·4	6 43	18	7 38	0	14
7	6	6	6	6	5	5	5	5	6·0	9·3	11 46	19	17 10	1	15
4	5	4	4	4	**1**	3	3	5	4·9	7·3	11 46	13	11. 0	1	16
4	4	3	3	3	5	6	5	4	4·4	7·0	9 54	17	13 11	0	17
5	5	5	5	5	5	4	5	6	5·9	8·6	12 16	16	16 38	1	18
3	4	1	1	1	1	3	7	3	4·6	6·3	12 8	18	17 30	0	19
5	6	6	5	5	5	2	2	3	3·4	**3·7**	15 23	9	7 20	0	20
8	7	9	7	7	5	5	3	3	4·1	5·4	15 45	13	4 40	0	21
10	11	10	9	9	9	5	4	7	6·7	8·9	14 27	15	1 17	0	22
6	7	5	3	3	5	8	9	7	4·6	5·5	22 31	13	12 16	0	23
9	9	7	7	6	6	5	5	5	8·2	11·1	8 8	23	8 30	1	24
11	11	11	11	11	11	9	9	9	8·1	11·3	16 58	18	0 14	1	25
15	14	15	15	11	17	19	15	13	13·0	17·6	20 12	31	9 2	2	26
14	14	15	14	15	11	11	11	13	12·7	17·4	16 45	28	13 50	2	27
19	19	19	17	15	13	15	**21**	15	**15·7**	**21·8**	22 18	**34**	6 3	3	28
16	17	13	13	13	14	11	11	11	15·1	20·2	4 45	34	16 58	4	29
9	10	10	9	9	9	9	7	8	11·3	15·7	3 12	29	22 36	2	30
9	7	8	7	7	7	7	7	7	8·6	14·4	12 17	18	16 34	2	31
8·6	8·6	8·3	7·8	**7·5**	7·5	7·6	7·6	7·7	8·1	12·0					Mean.

SEPTEMBER. (IN MILES PER HOUR.)

Date.	Hours.														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	7	7	7	8	7	14	8	7	6	5	4	7	7	6	5
2	5	5	5	5	5	4	3	4	5	3	5	3	4	6	7
3	3	3	4	3	3	2	3	5	6	5	3	5	5	4	4
4	4	3	5	5	5	6	4	4	5	5	7	7	7	7	9
5	7	8	7	9	7	6	5	5	3	5	4	4	11	5	1
6	4	3	3	3	3	5	5	3	6	5	5	5	5	3	5
7	3	5	5	11	11	8	7	3	7	9	3	4	4	2	2
8	3	8	4	3	3	4	5	7	5	5	5	7	7	7	6
9	3	4	7	7	6	5	7	7	7	5	4	7	7	7	7
10	5	3	5	4	5	6	7	8	5	5	7	8	9	7	7
11	9	11	9	9	6	12	5	7	11	7	11	7	4	9	9
12	7	7	5	6	7	7	7	3	5	3	8	7	5	3	4
13	7	7	7	4	9	8	7	9	11	8	5	5	5	5	7
14	11	8	6	3	4	5	5	5	7	9	4	5	6	5	6
15	5	5	4	5	4	5	6	5	5	5	5	5	6	7	5
16	7	7	3	3	4	5	4	2	3	4	3	3	3	3	3
17	1	1	1	2	7	9	7	3	5	3	4	5	5	4	5
18	1	1	1	4	5	4	3	5	5	6	5	5	5	5	3
19	3	3	3	2	2	4	7	5	6	5	3	3	5	5	7
20	3	1	3	4	6	5	3	2	3	3	3	2	7	9	9
21	2	3	1	2	3	7	1	1	2	5	6	3	5	6	6
22	5	5	5	1	4	3	3	3	5	5	3	3	3	7	7
23	3	1	1	1	2	2	3	3	5	5	6	6	7	8	9
24	5	6	3	5	6	10	11	7	4	4	1	3	4	3	4
25	7	7	9	7	5	4	3	3	3	3	1	3	2	4	8
26	5	1	1	3	2	5	2	3	1	1	2	5	5	7	9
27	5	5	3	1	0	1	0	3	4	5	3	9	8	7	7
28	14	9	3	15	13	20	17	16	11	7	6	5	5	8	12
29	13	14	15	14	15	15	12	11	11	11	11	11	11	9	5
30	7	9	5	5	6	9	8	8	7	5	4	5	4	3	4
Mean . .	5·6	5·4	4·7	5·1	5·5	6·6	5·5	5·3	5·6	5·1	4·7	5·3	5·8	5·7	5·9

OCTOBER.

1	2	1	1	2	3	3	3	3	3	3	3	5	7	6	7
2	6	3	1	2	2	3	3	3	2	6	7	7	7	8	9
3	6	7	7	7	4	3	1	2	3	1	1	5	7	7	7
4	3	4	3	7	8	7	11	9	7	7	7	7	9	9	7
5	3	7	9	11	9	7	8	7	7	6	4	3	3	3	6
6	7	7	7	7	8	7	7	6	6	7	7	8	7	7	7
7	1	3	6	7	9	10	11	9	7	7	5	5	5	5	5
8	1	2	1	2	1	3	6	5	5	3	3	6	7	9	9
9	3	3	2	3	3	3	3	3	3	3	6	7	7	9	9
10	4	4	5	5	3	3	1	2	3	2	1	5	7	8	9
11	7	7	7	5	5	1	1	1	1	1	3	5	7	7	7
12	2	1	1	1	1	1	1	2	2	3	3	5	5	5	6
13	14	14	13	15	13	13	11	13	12	13	13	13	12	11	9
14	3	3	3	5	5	4	3	3	3	4	4	5	6	7	5
15	3	6	5	6	7	5	4	4	5	3	3	1	6	6	7
16	3	2	3	3	3	3	3	3	4	5	7	7	9	9	11
17	4	3	4	3	5	4	5	5	7	9	11	11	10	10	10
18	4	5	5	5	5	4	4	3	5	4	6	7	7	7	9
19	2	2	1	3	1	1	1	3	4	3	1	4	7	7	7
20	2	3	1	1	2	2	1	3	5	5	2	5	5	7	7
21	1	2	3	3	5	7	7	7	7	5	5	7	5	5	7
22	3	4	5	5	7	4	5	7	5	5	3	1	1	2	5
23	3	3	3	3	4	7	7	9	7	7	3	3	4	6	7
24	4	3	3	4	6	7	7	9	9	7	9	8	4	3	2
25	3	4	4	5	5	6	7	7	8	9	4	3	3	3	5
26	3	3	4	3	7	7	7	9	9	8	3	1	4	7	7
27	3	7	5	7	5	5	7	5	7	7	5	3	5	4	3
28	3	4	7	9	7	8	7	7	7	5	3	3	2	2	7
29	3	1	3	3	7	6	5	7	7	5	3	1	5	6	7
30	3	3	7	7	9	9	11	7	9	9	5	7	4	4	7
31	2	5	7	8	9	10	9	9	8	7	7	7	4	3	5
Mean . .	3·6	4·1	4·5	5·1	5·4	5·3	5·5	5·5	5·8	5·5	4·8	5·4	5·8	6·1	6·8

SEPTEMBER. (IN MILES PER HOUR.)

Hours.									Mean.	Mean velocity by New Dines.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
5	7	9	5	5	5	4	4	5	6·4	10·6	5 31	23	7 10	1	1
7	8	7	5	4	4	3	3	3	4·7	6·6	0 40	11	18 15	3	2
4	3	3	3	2	3	3	3	1	3·4	5·0	9 10	7	6 6	0	3
6	7	6	6	4	5	10	9	7	5·8	8·0	14 52	20	18 25	0	4
3	4	4	1	1	4	4	7	3	5·0	8·0	12 12	21	14 31	0	5
7	9	3	3	5	4	3	3	3	4·3	6·7	16 20	13	0 6	0	6
3	3	3	7	7	7	7	7	3	5·5	7·3	4 1	15	12 46	1	7
7	8	3	3	5	5	5	7	3	5·1	6·0	16 36	14	17 26	1	8
5	4	5	6	6	9	6	6	5	5·8	8·1	19 51	21	13 11	0	9
6	5	5	5	7	7	5	5	6	6·0	8·9	19 47	18	4 41	0	10
9	7	4	2	0	3	6	5	5	6·9	9·0	5 26	21	18 58	0	11
3	4	3	3	6	5	7	9	9	5·5	6·7	10 43	13	7 2	0	12
7	7	3	2	3	3	5	11	13	6·7	8·1	23 25	20	3 7	0	13
6	7	5	6	5	5	7	5	7	5·9	8·4	9 5	18	10 30	1	14
4	5	5	7	5	5	5	6	5	5.2	7·5	6 32	14	4 15	1	15
7	9	7	5	4	7	7	4	2	4·6	6·4	15 35	13	7 10	0	16
5	5	4	3	3	3	2	2	1	3·6	5·0	5 32	12	7 18	0	17
3	3	3	4	5	5	5	3	2	3·8	5·5	4 23	12	0 0	2	18
7	7	5	5	9	8	5	1	3	4·6	5·7	19 20	19	22 3	0	19
9	9	9	6	9	6	1	4	2	4·9	5·7	18 5	15	21 52	0	20
6	7	5	3	3	1	3	2	2	3·6	4·3	5 15	12	11 40	0	21
7	7	7	7	5	3	3	2	1	4·4	5·5	17 5	11	11 20	1	22
9	11	10	9	8	7	6	6	7	5·6	6·8	15 11	17	4 54	1	23
5	5	5	7	4	5	12	4	5	5·5	6·6	21 13	31	10 47	0	24
7	9	9	7	7	7	7	6	5	5·6	7·8	2 47	16	9 52	0	25
10	11	5	3	5	3	3	6	5	4·4	6·7	16 42	17	1 28	0	26
6	9	7	5	7	7	5	3	7	4·8	6·3	16 12	18	6 28	0	27
15	16	17	15	14	14	13	12	13	12·1	15·5	5 41	36	3 12	0	28
4	4	3	2	3	3	5	5	7	8·9	10·4	5 25	21	14 5	1	29
3	6	5	5	4	3	3	3	1	5·3	6·2	2 7	12	12 56	1	30
6·2	6.8	5·8	5·0	5·2	5·1	5·4	5·1	4·8	5·5	7·3					Mean.

OCTOBER.

7	9	8	9	7	8	7	7	7	5·1	6·6	15 33	15	1 11	0	1
9	8	9	8	5	2	1	3	5	5·0	6·1	17 13	13	8 58	0	2
6	5	4	4	3	2	1	1	3	3·9	5·0	1 57	11	9 18	0	3
4	3	4	5	5	4	3	3	3	5·9	7·1	6 8	14	22 43	0	4
8	9	11	9	8	8	9	8	7	7·0	8·6	17 48	17	12 46	0	5
7	6	5	4	3	3	3	1	3	5·8	7·6	3 18	12	22 2	1	6
3	5	3	2	1	1	1	1	1	4·7	5·4	5 14	11	22 51	0	7
9	7	7	7	7	7	6	7	4	5·2	6·5	13 37	14	0 0	0	8
9	9	9	8	7	7	6	3	3	5·5	6·7	14 50	16	8 56	1	9
9	9	9	7	7	7	5	3	7	5·2	6·8	15 24	17	7 15	0	10
8	9	8	7	6	5	7	7	5	5·2	6·9	15 22	14	7 4	0	11
7	6	3	1	2	2	7	13	14	4·0	4·2	23 11	16	17 47	0	12
7	7	3	3	3	2	2	2	3	9·2	10·5	3 23	17	17 53	0	13
5	5	3	5	2	2	1	1	1	3·6	3·9	18 25	10	20 30	0	14
7	7	7	6	6	4	3	4	4	5·0	5·3	16 11	11	10 48	0	15
9	9	7	7	7	7	7	7	4	5·7	6·7	14 17	16	8 56	1	16
11	9	8	7	7	6	5	4	3	6·7	8·8	15 53	18	23 55	1	17
8	9	9	7	6	5	4	2	3	5·5	7·5	11 12	11	0 5	1	18
8	9	7	6	4	4	3	2	2	3·7	4·2	14 53	11	0 45	0	19
8	7	8	7	7	7	5	3	3	4·5	5·5	17 27	12	1 4	0	20
4	3	3	7	9	9	6	3	3	5·2	6·1	19 8	15	0 25	1	21
9	9	8	7	7	5	4	3	3	4·9	6·0	14 53	17	0 57	0	22
7	9	9	9	8	6	4	3	3	5·8	6·8	17 42	15	2 40	0	23
8	7	7	7	7	7	5	4	3	5·8	7·4	8 22	13	14 48	0	24
7	7	8	10	9	7	4	5	3	5·7	7·0	18 18	14	12 46	0	25
9	7	10	11	11	8	7	3	3	6·2	7·8	19 49	16	22 52	0	26
5	9	7	7	9	7	5	5	2	5.6	7·2	19 17	14	23 17	0	27
7	7	5	5	7	7	5	2	1	5·2	6·4	3 45	11	12 44	0	28
7	7	7	7	7	7	4	5	3	5·2	6·5	15 57	13	0 8	0	29
7	8	7	8	7	5	3	3	2	6·3	7·7	17 20	14	21 10	0	30
5	5	5	5	10	9	5	5	4	6·5	8·7	5 32	14	13 18	1	31
7·3	7·3	6·8	6·4	6·3	5·4	4·4	4·0	3·7	5·4	6·7					Mean.

NOVEMBER. (IN MILES PER HOUR.)

Date.	Hours.															
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15	
1	3	3	3	5	6	7	9	11	9	9	9	6	5	3	6	
2	3	3	5	9	7	5	8	8	7	5	3	3	6	5	6	
3	3	2	3	3	3	6	3	5	3	3	3	5	7	7	7	
4	3	3	2	2	3	3	5	5	9	7	3	1	3	6	7	
5	3	3	5	9	7	11	11	11	9	7	9	5	2	7	9	
6	3	3	6	5	7	6	3	3	3	3	3	3	6	7	10	
7	4	7	7	5	7	4	6	9	5	5	4	3	7	7	9	
8	10	11	7	7	7	7	11	11	11	8	9	7	5	5	8	
9	7	8	9	11	11	16	13	9	10	7	5	6	4	3	5	
10	1	3	4	6	7	9	9	11	11	11	7	6	5	3	5	
11	1	6	5	5	6	10	9	7	8	7	7	7	4	3	6	
12	1	2	1	5	4	7	7	9	9	7	6	5	3	3	5	
13	2	3	4	5	7	7	9	8	7	6	3	1	1	5	7	
14	1	2	3	4	3	5	4	5	5	3	2	1	5	5	7	
15	2	5	5	7	9	11	11	11	13	10	7	7	3	4	5	
16	3	3	3	3	5	5	7	10	9	8	3	3	5	7	7	
17	4	3	3	5	4	5	5	4	5	5	3	1	5	7	8	
18	3	4	3	3	7	10	7	7	7	9	7	5	5	6	9	
19	9	7	5	7	7	7	5	5	5	5	5	3	4	7	7	
20	3	3	4	7	7	5	3	4	5	5	3	5	7	8	9	
21	5	6	4	4	4	3	5	5	5	3	6	3	7	8	9	
22	3	1	3	3	3	3	3	3	3	3	3	4	5	6	5	
23	2	1	2	4	3	3	3	5	7	3	3	1	3	6	7	
24	3	3	3	4	6	3	3	3	1	2	1	2	3	7	9	
25	3	4	4	4	3	3	4	7	6	6	4	3	4	7	9	
26	3	3	3	6	5	3	3	5	5	7	6	4	4	5	7	
27	9	11	9	10	11	13	12	11	12	11	11	11	9	6	4	
28	5	10	11	9	10	10	11	11	10	8	5	3	3	3	7	
29	3	5	7	7	7	8	7	7	7	6	3	4	3	3	5	
30	3	3	5	6	7	9	7	5	6	6	6	3	3	3	5	
Mean . .	3·7	4·5	4·7	5·7	6·0	6·6	6·8	7·1	7·0	6·2	4·9	4·1	4·5	5·5	7·0	

DECEMBER.

1	2	1	2	5	5	7	8	11	9	9	9	7	5	3	3	
2	3	1	3	3	3	5	5	6	7	4	3	1	3	5	7	
3	2	3	3	5	7	9	11	10	11	9	7	6	4	4	5	
4	3	3	5	7	9	9	9	11	10	9	8	7	6	3	3	
5	3	3	3	3	3	7	7	6	6	4	3	3	1	3	5	
6	3	3	3	4	3	3	3	6	7	5	4	3	3	6	7	
7	2	1	3	5	5	3	3	4	5	3	2	1	7	7	9	
8	7	9	7	4	3	3	2	3	4	5	9	8	6	7	7	
9	5	5	4	3	3	3	3	3	4	4	7	7	9	11	10	
10	4	3	5	3	4	5	5	5	7	6	5	3	4	5	7	
11	4	4	3	3	4	4	5	3	3	5	5	3	5	7	10	
12	4	4	3	3	3	3	9	9	5	5	3	3	3	4	6	
13	3	4	7	5	4	6	5	7	7	8	3	3	7	6	5	
14	3	2	3	3	3	3	3	2	3	3	1	1	3	5	5	
15	5	8	7	7	9	6	5	6	5	4	3	1	2	5	6	
16	2	3	3	4	9	10	9	10	9	9	6	6	3	3	5	
17	3	1	1	3	2	1	2	5	5	5	3	3	4	5	6	
18	3	3	3	4	4	3	3	5	5	2	4	7	8	7	7	
19	3	2	4	3	3	7	5	3	4	4	4	3	2	3	3	
20	3	3	5	5	7	5	3	3	4	5	3	3	3	4	7	
21	5	3	5	5	5	7	9	9	7	4	3	1	3	5	7	
22	2	3	3	4	4	7	9	9	7	6	5	3	3	5	7	
23	5	5	5	5	6	5	7	7	7	4	3	1	3	7	9	
24	2	3	4	4	5	7	8	5	5	6	3	1	2	1	5	
25	3	3	6	8	9	7	5	5	6	5	1	1	3	4	6	
26	4	4	5	5	5	5	5	6	5	5	3	3	2	1	5	
27	4	7	7	6	7	8	7	7	5	7	4	1	3	3	6	
28	1	3	4	5	7	7	11	9	7	3	3	1	1	4	5	
29	3	4	5	6	7	7	7	6	7	5	3	1	3	4	7	
30	1	3	3	4	4	7	5	7	3	7	9	8	4	6	7	
31	2	3	4	5	4	3	4	7	7	5	5	2	3	3	6	
Mean . .	3·3	3·5	4·1	4·4	5·0	5·6	5·8	6·3	5·9	5·3	4·4	3·4	3·7	4·7	6·2	

NOVEMBER. (IN MILES PER HOUR.)

Hours. 15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Mean.	Mean velocity by New Dines.	Maximum Time.	Maximum Mag.	Minimum Time.	Minimum Mag.	Date.
											H. M.		H. M.		
5	7	8	7	7	4	3	3	1	5·8	7·4	7 15	14	20 48	0	1
6	7	5	9	8	9	6	3	3	5·8	7·5	18 17	12	11 9	0	2
7	7	7	5	5	5	4	4	3	4·5	5·9	15 41	11	9 57	1	3
7	7	7	8	9	7	4	4	4	4·9	6·2	19 37	13	11 6	0	4
7	8	10	7	7	5	3	3	3	6·7	8·5	17 30	15	12 57	0	5
11	9	9	9	9	10	7	5	3	6·0	7·5	15 40	16	1 33	0	6
11	10	10	13	13	13	9	4	7	7·4	9·1	20 33	19	8 36	1	7
11	10	9	12	11	7	4	4	7	8·2	10·7	0 34	18	21 47	1	8
7	9	9	8	7	7	5	2	0	7·1	9·7	3 49	15	23 4	1	9
7	7	7	7	8	8	4	3	2	6·1	7·4	8 5	13	1 25	0	10
7	7	9	7	7	7	4	3	2	5·9	7·6	5 20	13	0 41	1	11
5	7	7	9	9	6	3	3	2	5·3	6·7	19 42	13	0 50	0	12
7	7	6	7	7	5	4	3	3	5·1	6·0	19 47	11	12 1	0	13
6	7	7	7	7	6	3	4	4	4·5	5·5	18 2	13	10 55	0	14
7	7	8	8	7	7	5	3	3	6·8	8·7	8 10	14	14 25	1	15
9	10	10	9	9	7	7	4	4	6·3	7·9	16 7	17	11 50	0	16
9	9	9	9	10	9	4	3	3	5·5	7·0	19 32	16	12 2	0	17
11	11	13	14	13	9	7	6	9	7·8	10·1	17 16	21	2 45	1	18
9	9	11	11	12	13	11	7	4	7·2	9·3	19 40	20	12 43	1	19
11	11	11	12	9	6	6	5	5	6·4	8·3	16 32	20	16 38	0	20
11	9	9	9	11	11	7	3	3	6·4	8·5	19 25	17	21 46	0	21
7	4	5	9	8	7	3	3	1	4·1	5·1	15 37	27	16 9	0	22
7	6	3	4	5	3	3	3	3	**3·9**	**4·7**	7 56	10	11 20	0	23
8	7	7	8	9	7	5	4	5	4·8	6·3	14 43	14	8 54	0	24
9	12	8	10	11	11	7	5	5	6·3	8·5	16 31	19	4 41	0	25
8	10	10	10	11	10	7	4	4	5·9	7·7	16 26	18	2 18	1	26
4	7	9	11	9	9	4	3	3	**8·6**	**11·7**	5 37	16	23 12	1	27
7	9	11	10	11	5	5	2	1	7·4	9·8	17 1	18	11 33	1	28
7	8	9	11	11	9	4	5	5	6·3	8·1	20 10	17	13 17	1	29
5	5	5	5	7	7	3	5	5	5·1	6·4	4 47	11	13 26	0	30
7·7	8·0	8·3	8·8	**8·9**	7·6	5·0	3·7	**3·5**	6·1	7·8					Mean.

DECEMBER.

5	5	7	7	7	7	3	3	3	5·4	6·7	7 13	14	14 27	0	1
7	7	9	9	8	6	3	3	2	4·6	5·6	17 46	15	0 53	0	2
7	8	11	9	9	11	5	3	3	**6·8**	8·2	17 37	16	10 37	0	3
5	5	6	8	7	7	4	2	3	6·3	7·7	7 44	13	14 17	1	4
7	6	5	4	6	4	3	3	3	4·3	5·2	6 35	10	12 55	0	5
5	5	7	8	7	5	3	3	3	4·7	5·5	18 17	13	6 15	0	6
10	11	10	9	6	5	3	3	3	5·0	6·3	16 46	17	1 48	0	7
7	9	9	8	7	7	5	5	5	6·0	**8·3**	1 14	14	6 13	0	8
9	8	7	5	2	1	1	1	1	4·7	6·5	12 42	16	22 0	1	9
7	6	6	8	7	7	4	5	4	5·2	6·4	18 32	12	0 2	1	10
11	13	12	11	11	7	5	4	4	6·1	7·8	16 16	20	11 34	1	11
6	5	5	5	4	3	3	3	4	4·3	5·1	7 33	11	11 51	1	12
6	5	6	5	7	5	4	3	2	5·1	5·6	9 16	9	11 25	1	13
5	4	5	5	5	5	3	3	3	**3·4**	**3·9**	19 34	9	2 19	0	14
5	9	11	12	11	7	3	3	3	6·1	7·3	17 36	18	11 50	1	15
6	6	7	7	8	7	3	4	3	5·9	7·3	5 29	14	13 30	0	16
5	5	5	5	7	7	6	3	2	3·8	4·5	19 35	10	2 50	0	17
7	7	7	7	7	5	3	3	3	5·1	6·4	12 12	14	9 30	0	18
3	4	7	7	5	3	3	3	3	3·8	4·8	5 48	11	12 2	0	19
7	7	9	11	8	5	5	5	3	5·2	6·5	18 20	16	12 51	1	20
7	7	6	7	7	4	3	3	3	5·2	6·3	19 34	11	12 2	0	21
9	7	7	8	10	7	3	3	5	5·7	7·0	19 33	16	12 36	0	22
9	9	11	12	11	10	5	5	3	6·4	7·8	17 44	19	11 42	0	23
9	9	7	7	7	5	4	3	3	4·9	5·7	16 17	12	14 12	0	24
7	6	3	3	3	3	3	4	4	4·5	5·3	3 48	11	10 25	0	25
7	7	7	10	7	3	4	3	2	4·7	5·5	18 30	14	13 5	1	26
5	4	5	5	3	3	4	3	3	4·8	5·7	6 30	9	12 2	1	27
5	5	7	5	4	5	2	3	3	4·6	5·5	6 42	12	0 45	0	28
7	6	7	7	5	7	7	5	2	5·2	6·3	17 48	11	11 51	1	29
7	7	7	7	4	4	3	3	3	5·2	5·9	10 50	11	0 2	0	30
6	4	3	5	5	4	4	4	5	4·3	4·8	7 36	9	12 41	0	31
6·7	6·7	7·0	7.2	6·6	5·5	3·8	3·4	3·2	5·1	6·2					Mean.

JANUARY. (Averages for periods of sixty minutes from full hour to full hour, local mean time.)

Date.	Hours.											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NW	E	E	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ENE
2	NNW	N	N	N	N	N	N	N	ENE	ESE	ESE	NW
3	NE	NE	NE	ENE	ENE	NNE	NNE	NNE	NE	ENE	ENE	ENE
4	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNW	NNW	NNW
5	NNE	NNE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NE	NE
6	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
7	NNE	ESE	E	ENE	ENE	NE	ENE	ENE	ENE	E	E	E
8	SW	S	S	S	S	S	S	S	S	S	SSE	WNW
9	N	N	N	N	N	N	N	N	N	N	N	NW
10	N	N	N	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW
11	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE
12	NNE	NNE	NNE	NNE	NNE	N	N	NNE	N	ENE	ENE	NNE
13	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	NW
14	NNE	NNE	N	N	N	N	N	N	NNE	N	NNW	NNW
15	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	NW
16	NNE	ENE	E	E	E	E	E	ENE	E	E	ENE	ENE
17	NE	ESE	ESE	ESE	ESE	ESE	E	ESE	E	E	E	E
18	ENE	ENE	ESE	ESE	ENE	ENE	ENE	ENE	E	E	E	E
19	NNE	NNE	NNE	N	N	ENE	E	ESE	ESE	ESE	ESE	NW
20	NE	NE	NNW	NNW	NNW	ENE	E	E	NE	N	NW	NW
21	NNW	NNE	N	N	N	N	NNE	NNE	NNE	NNE	NNW	NNW
22	NNE	N	NE	N	NE	NNE	NNE	ENE	ENE	ENE	ENE	NNW
23	NNW	NNW	NNE	N	NE	NE	ESE	ESE	E	E	NNW	NNW
24	NNW	NNE	ESE	ESE	NE	N	N	ENE	E	E	NW	NNW
25	NNW	NNW	NNW	NNW	NNW	NE	E	E	E	E	NNW	NW
26	NNW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNW	NNW	NNW
27	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE
28	NNW	NNW	NNW	ENE	ENE	ENE	ESE	ENE	E	E	E	E
29	E	E	E	NNE	NNE	NNE	NNE	ENE	E	E	E	E
30	NE	ESE	ESE	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	NNW
31	NNW	NNW	NNW	NNW	NNW	NNW	ENE	ENE	ENE	ENE	ENE	ENE
Mean direction.	N	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	NE	N

FEBRUARY.

1	NNW	NNW	NNE	NE	NE	E	E	SSE	SSE	SSE	WNW	WNW
2	NNW	NNW	NNW	NE	NNE	NNE	NNE	NNE	NNE	ENE	NNW	NW
3	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	NNW
4	NNE	NNE	NNE	NNE	ENE	NNE	ENE	ENE	ESE	E	E	NW
5	S	S	S	S	S	W	W	NNW	NNW	NNW	SW	WNW
6	NNW	NE	NE	NNW	NNW	NNW	NNE	ENE	ENE	ESE	ESE	WNW
7	WNW	WNW	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SSW
8	NNW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW
9	NNW	NNW	NNW	ESE	ESE	ESE	ENE	ENE	ESE	ESE	ESE	ESE
10	NNW	NNW	NNW	NNW	E	E	ENE	E	E	E	E	NNW
11	NNE	NNE	NNE	ENE	ENE	E	E	E	E	E	E	WNW
12	NNE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE
13	N	N	ENE	ENE	ENE	ENE	ENE	E	ESE	ENE	ENE	ENE
14	ESE	ESE	NNW	NNW	N	N	N	N	NE	ENE	ENE	NNW
15	N	N	N	N	NNE	NNE	NNE	NNE	ENE	ENE	NW	NNW
16	N	N	N	N	N	NNE	NNE	ENE	ENE	NW	NW	NW
17	N	N	NNW	N	N	NNW	N	N	N	NE	NNW	NW
18	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NW	NNW	NW
19	NW	NNW	NNW	NNW	NNE	NNE	NNE	E	E	E	SSW	W
20	NNW	NNW	NNW	N	N	N	N	N	N	NNW	NNW	NNW
21	NNW	NNW	NNW	N	N	N	N	N	N	NNW	NNW	NW
22	NNW	NNW	NNE	NNE	NNE	NNE	NNE	N	N	NNW	NNW	NNW
23	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	N	NNW	NNW	NNW
24	NNW	NW	NNW	NNW	NNW	ENE	ENE	ENE	ENE	SSE	WNW	WNW
25	SSW	SSW	SSW	SSW	NW	NNW	NNW	NNE	ENE	ENE	ENE	WNW
26	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	ENE	NW
27	NNE	NE	NNE	NNE	ENE	ESE	ENE	ENE	ENE	NNE	NNW	NNW
28	NNW	E	SE	S	S	SSW	SSW	SSW	SSE	SSE	SSW	SSW
29	W	W	SSE	SSE	SSE	SSE	SSE	ESE	ESE	ESE	ESE	ESE
Mean direction.	NNW	N	N	N	NNE	NNE	NE	NE	ENE	ENE	N	NW

JANUARY.

Hours.												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WNW	NW	WNW	NW	NW	NW	NNW	NNW	NW	NNW	NNW	NNW	NNE	1
NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NE	NW	2
WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	3
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNW	4
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	N	5
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	6
E	E	WNW	W	W	W	W	W	W	W	SW	SW	ENE	7
WNW	WNW	NW	NW	WNW	WNW	NW	NNW	NNW	NNW	N	N	WNW	8
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	9
NNW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	10
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	N	11
NW	NW	NW	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	12
NW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	13
NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNW	14
NW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	15
ENE	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NE	NNE	16
SSW	SSW	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNE	NNE	ENE	17
E	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNE	NNE	Calm	Calm	NE	18
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	19
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	NNW	N	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	21
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	N	NNW	N	22
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	23
NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	N	24
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	25
NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	26
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	27
WNW	WNW	NW	NW	NW	NNW	NNW	NNW	N	NNE	NNE	E	N	28
NW	NW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NE	NE	NE	N	29
NNW	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	30
WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	31
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	W	N	Mean direction.

FEBRUARY.

NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NNW	2
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNE	NNE	NNE	N	3
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	ENE	S	S	N	4
WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	5
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	6
WSW	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NW	NW	7
NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	8
NW	NW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	9
NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	10
WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNE	NNE	NNE	N	11
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	12
WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	N	13
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	14
NW	NW	NNW	NW	NW	NW	NW	NNW	NNW	N	N	N	NNW	15
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNE	NNW	N	NNW	16
NW	NW	NW	NNW	NNW	NW	NW	NW	NW	NNW	N	N	NNW	17
NW	NW	NNW	NW	NW	NNW	NNW	NNW	Calm	NNW	W	W	NNW	18
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NNW	NNW	NNW	19
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	20
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NNW	21
NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	22
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	23
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	SSW	SSW	NW	24
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	25
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ENE	NNE	NNW	26
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	27
SSW	SW	WSW	W	W	W	W	W	W	W	W	Calm	NNW	28
W	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	E	WNW	29
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	Mean direction.

MARCH.

Date.	Hours.											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	E	E	NNW	NNW	NNW	NNE	NNE	NNE	E	E	NW	NW
2	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	NW	NW
3	N	N	NNW	NNW	NNE	NNE	ENE	E	E	E	N	NW
4	NE	ESE	ESE	ESE	ENE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
5	ENE	ENE	ESE	E	ENE	ENE	E	SE	ESE	ESE	ESE	ESE
6	NE	NE	NNW	E	E	E	ESE	ESE	ESE	ESE	NNW	NNW
7	WNW	WNW	SW	SW	W	WNW	WNW	SE	SE	WSW	WSW	W
8	N	NNW	NNW	NNE	ENE	ENE	NE	NE	ENE	ENE	NW	NW
9	NNW	NNW	N	N	N	N	N	N	N	NNW	NW	NW
10	NNW	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNW	NW
11	S	WNW	NNW	NNW	N	N	N	NE	E	ESE	ESE	SW
12	S	S	S	W	Calm	W	SSE	ESE	ESE	SSW	SSW	SW
13	SSW	SW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	WNW
14	SW	SW	W	W	W	W	W	W	W	W	WNW	WNW
15	NNW	NNW	NNE	NNE	NNE	NNE	NNE	ENE	NNW	NNW	WNW	WNW
16	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NW	NW	NW
17	NW	NW	W	SW	W	NNW	N	NE	E	E	E	E
18	S	SSE	SSE	SSE	SSE	SSE	ENE	ENE	ENE	ENE	SW	WSW
19	NNW	NNE	NNE	NNE	NNE	NNE	ESE	ESE	ESE	ESE	ESE	E
20	NNW	N	N	NE	E	E	E	SSE	SW	SW	NW	NNW
21	N	NNE	NNW	W	NE	ENE	ESE	NE	NE	N	NW	NW
22	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW
23	W	W	W	SE	SE	SE	SSW	SSW	SSE	S	WSW	W
24	NW	NW	NNW	NNW	NNW	NNE	NNE	ENE	ENE	ESE	ESE	WNW
25	NE	NE	NE	NE	NE	NE	NE	NE	N	NNW	NW	NW
26	NNW	N	N	NNE	NNE	NNE	NNE	NNE	ENE	WNW	NW	NW
27	W	W	S	S	WNW	WNW	WNW	WNW	NNW	WNW	WNW	WNW
28	Calm	NW	NW	NW	NW	N	NE	NE	NNE	NNW	NW	NW
29	NNW	NNW	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	NW	NW
30	NNW	NNW	NNW	N	NNE	NNE	E	E	NNW	NNW	NW	NW
31	WNW	NW	Calm	NW	NW	SE	SE	SE	SE	SSE	WSW	W
Mean direction.	NNW	NNW	NNW	N	NE	NE	ENE	E	ENE	ENE	WNW	NW

APRIL.

1	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	WSW	W
2	SSW	WSW	WSW	WSW	WSW	SSW	SSW	W	W	SSW	S	SSW
3	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW
4	W	SW	W	W	W	W	W	NNE	ENE	ENE	WNW	WNW
5	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	ENE	N	NW	NW
6	NNW	NNW	NNW	N	NNE	NNE	NNE	N	NNW	NNW	NW	NW
7	NNW	NNW	NNW	NNW	NNW	NE	NNE	NNE	ENE	ENE	WNW	WNW
8	NNW	NNW	NNW	NNW	ENE	ENE	ESE	ESE	ESE	SE	SSW	SSW
9	W	W	W	W	W	W	W	SE	SE	SE	WSW	W
10	NNW	NNW	NNW	NNW	N	NNE	NE	ENE	ENE	ENE	NW	NW
11	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	NNE	N	NW	NW
12	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW
13	NNW	NNW	NNW	NNW	NNE	NNE	NNE	ENE	ENE	ENE	ENE	NW
14	NNW	NNW	NNW	NE	NE	ESE	E	NNE	N	NNW	NW	NW
15	NNW	NNE	NNE	NNE	NE	NE	NE	NE	ENE	S	S	WNW
16	NNW	ENE	ENE	ENE	NNE	NNE	N	N	NE	WNW	WNW	WNW
17	W	W	W	W	Calm	W	SE	SSW	W	W	W	WSW
18	WNW	WNW	WNW	WNW	Calm	SE	SE	SE	WSW	SW	SW	W
19	NNW	NNW	NNW	NNW	NNE	ENE	ENE	ENE	ENE	ENE	NW	WNW
20	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	WNW
21	NW	NNW	NNW	ENE	N	N	N	N	N	NW	W	WSW
22	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SSW	SSW	SW	WSW
23	SSW	SSW	SSW	SSE	SSW	S	S	S	S	SSW	SW	WSW
24	SSW	SSW	WSW	W	WNW	WNW	NW	NW	NNW	NNW	WNW	WNW
25	NNW	NNW	NNW	SE	S	Calm	S	WNW	WNW	S	WSW	W
26	NW	NW	S	SSE	SSE	SSE	SSE	SSE	SSE	S	WSW	W
27	NNW	NNW	NE	NE	NE	NE	NE	NE	SE	SE	SE	WNW
28	NNW	NNW	NNW	NNW	NNE	NNE	NNE	ENE	ENE	NW	WNW	WNW
29	NW	NW	NNW	NNW	NNW	NNW	NNE	ENE	ENE	ENE	WNW	WNW
30	NNW	NNW	NNW	NNE	NE	NE	NE	NE	E	E	NW	NW
Mean direction.	NW	NW	NW	NW	NNW	NNE	NE	ENE	ENE	NNW	WNW	WNW

MARCH.

Hours												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WNW	WNW	NW	NW	NW	NNW	NW	NNW	NW	NNW	NNW	NNW	NNW	1
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	2
NW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	3
WSW	W	W	WNW	NNW	NNW	NNW	NNW	ENE	ENE	ENE	ENE	ENE	4
WSW	WSW	WSW	WSW	WSW	WSW	NNW	NNW	N	N	NE	NE	E	5
NNW	NW	NW	NW	NNW	NNW	NNW	N	NE	NNE	NNE	WNW	NNW	6
WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	ENE	ESE	ESE	NW	7
NW	NW	NW	NW	NW	NW	NNW	NNW	NW	NNW	NNW	NNW	NNW	8
NW	NW	NW	NW	NW	NW	NNW	NW	NNW	N	N	N	NNW	9
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	SE	NNW	10
WSW	WSW	W	W	W	W	WNW	WNW	SSW	SSW	SSW	S	W	11
SW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	12
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SW	SW	SW	WSW	13
WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	14
WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	NW	NW	N	N	NW	15
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	NNW	16
WSW	WSW	WSW	WSW	W	W	W	W	W	SSW	S	S	W	17
SW	WSW	WSW	W	WNW	NW	NW	N	NNW	NNW	NNW	NNW	W	18
NW	WNW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	19
NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNW	NNW	20
NW	NW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	21
NW	WNW	WNW	NW	WNW	WNW	WNW	WNW	Calm	S	S	W	W	22
WNW	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	W	23
WNW	WNW	NW	NW	NW	WNW	NW	NW	NNW	NNW	NE	NE	NW	24
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	25
WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	SW	W	W	NW	26
WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	27
NW	NW	NW	NW	NW	NW	NW	WNW	NW	NW	NW	NNW	NW	28
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	29
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	WNW	NNW	30
W	W	WNW	WNW	W	W	W	SSW	S	SSW	SSW	SSW	WSW	31
WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	Mean direction.

APRIL.

W	WNW	W	WNW	W	WNW	WSW	WSW	WSW	SW	SW	SSW	SW	1
WSW	WSW	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	2
SW	SW	W	W	W	W	W	W	W	W	W	W	WSW	3
WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	4
NW	WNW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	5
NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	6
WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	7
WSW	W	WSW	WSW	W	W	W	W	WSW	SW	SW	SW	WSW	8
WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	9
NW	NW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NNW	NNW	10
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	11
NW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	NW	12
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	13
WNW	NW	NW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	14
WNW	WNW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	15
WNW	WNW	WNW	W	W	W	W	W	SW	SSW	WSW	WSW	WNW	16
W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	17
WNW	W	WNW	WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	WNW	18
WNW	WNW	WNW	WNW	NW	WNW	NW	NNW	NNW	NW	NNW	NNW	NW	19
WNW	NW	NW	NW	NW	NW	NW	NW	NW	S	W	WNW	NW	20
WSW	WSW	W	W	W	WSW	SW	SW	SW	SW	SW	SSW	WNW	21
WSW	W	W	W	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	22
WSW	W	W	WNW	WNW	WNW	NW	NW	NW	NW	NW	SSW	WSW	23
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	24
W	W	W	WNW	WNW	NW	NW	NNW	WNW	WNW	WNW	NW	NW	25
W	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	W	26
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	27
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	28
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	29
WNW	W	W	W	W	W	W	W	W	W	WNW	NW	WNW	30
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	Mean direction.

MAY.

Date	Hours.											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NW	NW	NW	NW	Calm.	Calm.	NW	NW	NW	NNW	NW	WNW
2	NNW	NNW	NNW	NNW	NNW	Calm.	Calm.	NNW	W	SSW	SW	WSW
3	SW	SW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	W	W	WNW
4	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	W	W	W	WNW
5	NW	WNW	WNW	WNW	Calm.	Calm.	SE	SE	SE	WNW	WNW	WNW
6	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	E	WNW	WNW	WNW
7	NW	NNW	NNW	NNW	NNW	Calm.	Calm.	NNW	WNW	WNW	WNW	WNW
8	NW	NW	NW	NW	NW	NW	NW	NW	ENE	NW	WNW	WNW
9	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	WNW	WNW	WNW
10	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	W	WSW	WSW
11	SW	SW	SW	WSW	SW	SW	SW	W	SW	W	W	WSW
12	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NE	NE	WNW	W
13	NNW	NNW	NNW	NNW	NNW	NE	ENE	ENE	ESE	S	S	WSW
14	W	W	WNW	NNW	NNW	NNW	SSW	SSW	SSW	SSW	SSW	SW
15	WSW	WSW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW
16	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	WSW	WSW
17	SSW	SW	SSW	SW	SW	SSW	SSW	S	SSW	SSW	SSW	SW
18	W	SW	SW	SW	SW	SW	SW	WSW	W	W	W	WNW
19	WNW	WNW	NW	NW	NNW	NNW	NNW	N	NNW	NW	NW	WNW
20	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	NW
21	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NW	WNW	WNW
22	NW	NW	NW	NW	Calm.	Calm.	NW	SSE	SSE	SSE	WSW	WSW
23	WNW	WNW	NW	NW	NW	NW	NW	NW	ESE	S	WNW	WNW
24	NW	NW	NW	WNW	WNW	WNW	WNW	NW	WNW	NW	WNW	NW
25	WNW	NW	NW	NW	NW	WNW	NNW	NW	WNW	WNW	WNW	WNW
26	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
27	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	NW	WNW	WNW	W
29	WNW	W	W	W	W	W	W	W	WSW	W	W	W
30	WNW	WNW	WNW	NW	NW	NW	NW	NW	SSW	SSW	SW	WSW
31	NW	NW	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SW	WSW
Mean direction.	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	W	W	W

JUNE.

1	WSW	WSW	W	WSW	WSW	W	W	W	W	W	WSW	W
2	SW	SW	SW	WSW	WSW	SW	W	W	W	W	W	W
3	SSW	WSW	SW	SW	WSW	WSW	WSW	W	W	WSW	WSW	WSW
4	W	W	W	W	W	W	W	WSW	WSW	W	W	W
5	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW
6	WNW	WNW	WNW	NW	NW	NW	NW	NNW	WNW	W	WNW	WNW
7	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	WNW
8	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW
9	W	W	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	SSW
10	W	W	W	W	W	W	W	W	W	W	W	W
11	W	W	W	W	W	W	W	W	W	NW	WNW	W
12	E	SE	SSE	SSE	ESE	SSW	SSW	S	SSW	SSE	S	S
13	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	S	WSW	W	WSW
14	S	S	SE	ESE	SE	NNW	NNW	S	S	S	S	SSW
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S
16	SSE	SE	SE	SE	SSE	SE	SSW	SSW	ESE	SSW	SSW	SW
17	S	S	S	S	SSW	S	S	SSW	S	SSW	SSW	SSW
18	SSW	SSW	S	SSW	S	S	S	S	SW	SSW	WSW	W
19	SSE	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	W
20	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
21	W	W	W	W	W	W	W	W	W	W	W	W
22	W	W	W	W	W	W	W	W	WSW	WSW	WSW	W
23	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NNW	WSW	SW
24	W	WSW	W	W	W	W	W	W	WSW	WSW	WSW	WSW
25	WSW	WSW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW
26	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	W	SW
27	SW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW
28	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW
29	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
30	WSW	SW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	W	W
Mean direction.	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW

MAY.

Hours.												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	WNW	1
WSW	WSW	W	W	W	W	W	W	WSW	WSW	SW	SW	W	2
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	3
W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	W	4
WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	5
WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	6
WNW	WNW	WNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	NW	NW	7
WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NW	8
WNW	WNW	W	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	NW	9
WSW	WSW	WSW	WSW	WSW	SW	WSW	SW	SW	SW	SW	SW	W	10
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	11
W	W	W	WNW	WNW	WNW	NNW	NW	NW	WNW	WNW	WNW	WNW	12
W	W	W	W	W	W	W	W	W	WNW	W	W	W	13
WSW	W	W	W	W	W	W	W	W	SW	SW	SW	WSW	14
WSW	W	W	W	W	W	W	WSW	SW	WSW	W	W	WSW	15
WSW	WSW	WSW	SW	SW	SW	WSW	WSW	SW	SW	SW	SSW	SW	16
SW	WSW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW	SW	17
WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	NW	W	18
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	19
NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	NW	NW	NW	20
WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	21
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	22
WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	23
NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	24
WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	25
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	26
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	27
W	W	WNW	WNW	WNW	WNW	W	W	W	WNW	WNW	WNW	WNW	28
WSW	W	W	W	W	WNW	WNW	W	W	W	W	WNW	W	29
W	WSW	W	W	W	W	SW	WSW	WSW	WSW	W	W	W	30
WSW	WSW	W	W	W	W	W	W	WSW	WSW	W	W	SW	31
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	Mean direction

JUNE.

W	WSW	W	W	W	WSW	W	WSW	SW	SW	WSW	SW	WSW	1
W	W	W	W	W	W	W	W	W	WSW	SW	SW	WSW	2
W	W	W	W	W	WNW	W	W	W	W	W	W	W	3
W	W	WNW	WNW	WNW	W	WNW	WNW	W	W	W	WNW	W	4
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	5
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	6
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	7
W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	WNW	8
SSW	SW	WSW	WSW	W	W	W	W	W	W	W	W	WSW	9
W	W	W	WNW	WNW	W	WNW	WNW	W	W	W	W	W	10
W	W	W	W	NW	NW	NW	SW	SSW	SSW	SSW	WNW	W	11
S	S	SSW	N	SW	SSW	SSW	SSW	S	S	S	S	S	12
WSW	WSW	SW	SW	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	S	13
SSW	SW	SW	SW	SW	SW	SSW	SSW	SW	SSE	SSE	SSE	S	14
SSW	SSW	SSW	SSW	SSW	S	S	S	SSE	SSE	SSE	S	S	15
SW	SSW	S	SSW	S	S	SSW	SSW	SSE	SSE	SSE	SSE	S	16
S	SSW	S	S	S	S	S	SW	S	S	S	SSW	S	17
W	WNW	WNW	WSW	SW	W	W	S	S	SSE	SSE	S	SSW	18
W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	19
WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	WSW	20
W	WSW	W	W	W	W	W	W	W	WSW	WSW	WSW	W	21
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	22
W	W	W	W	W	W	W	W	WSW	WSW	WSW	W	W	23
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	SSW	WSW	24
WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	25
W	SW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	WSW	26
SW	WSW	W	WSW	WSW	W	W	W	W	W	W	WSW	WSW	27
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	28
W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	29
W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	WSW	30
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	WSW	Mean direction

JULY.

Date.	Hours.											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WSW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
2	W	W	W	W	W	W	WSW	SW	SW	W	W	W
3	WSW	SW	SW	SW	W	WNW	WNW	W	W	N	SW	SE
4	WSW	W	W	W	SSE	SSE	S	SE	SE	SSE	SW	WSW
5	SW	SW	SSW	SW	SW	SW	SSE	SE	S	SSE	S	S
6	SSW	SE	SE	ESE	SE	SSE	SSE	SSE	SSE	SSE	S	S
7	SW	W	W	SSW	SE	W	ESE	WSW	W	WNW	WSW	NW
8	WSW	WSW	SW	SW	S	SW	SW	SW	SSW	S	SSW	W
9	S	S	SSE	SSE	SSW	SW	SW	WSW	SW	SW	SW	W
10	ESE	NE	ENE	ENE	ESE	ESE	ESE	E	ENE	ENE	ESE	SE
11	W	W	W	WNW	WNW	W	WNW	W	WNW	W	W	W
12	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W
13	WSW	WSW	W	W	W	W	W	W	W	W	WSW	W
14	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW
15	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W
16	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW	W	W	W
17	W	W	W	W	W	WSW	W	W	W	W	SW	W
18	WSW	WSW	W	W	W	W	W	W	WSW	WSW	WNW	W
19	WSW	WSW	WSW	W	W	W	W	W	W	WSW	WSW	WSW
20	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
21	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
22	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	W	W
23	W	W	W	W	W	W	W	W	W	W	W	W
24	W	W	W	W	W	W	W	W	W	W	W	W
25	W	W	W	W	W	W	W	W	W	W	W	W
26	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
27	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W
28	WSW	WSW	WSW	W	W	WSW	W	W	W	W	W	W
29	WSW	W	W	W	W	W	W	W	W	WSW	W	W
30	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
31	WSW	WSW	W	W	WSW	W	WSW	WSW	WSW	WSW	W	W
Mean direction.	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW

AUGUST.

1	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
2	W	W	W	W	W	W	W	W	W	W	WSW	W
3	WSW	WSW	W	W	W	W	WSW	WSW	W	WSW	W	W
4	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	W
5	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	W	W	W	W
6	W	W	W	W	W	W	W	W	W	W	W	WNW
7	WSW	SW	WSW	W	W	W	W	W	W	W	W	W
8	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W
9	W	W	W	W	W	W	W	W	W	W	W	W
10	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
11	WSW	SW	WSW	W	WSW	WSW	W	W	W	W	W	W
12	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	W
13	WSW	WSW	WSW	WSW	WSW	W	W	W	WSW	WSW	WSW	WSW
14	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	WSW	WSW	WSW	WSW
15	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W
16	WSW	WSW	WSW	W	W	W	WSW	WSW	W	W	W	W
17	W	WSW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	W
18	SW	SW	SW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW
19	WSW	SW	SW	SW	WSW	SW	SW	S	SSW	S	SSW	SSW
20	WNW	WSW	WSW	WSW	WSW	W	WNW	ESE	SSE	SSE	WSW	SSW
21	WNW	WNW	NNW	NE	NE	E	ENE	ENE	ENE	ESE	NNW	NW
22	NE	Calm	NE	NNW	NW	NNW	NNE	NNE	N	N	N	NNW
23	NNE	NNW	NNW	NNW	NNE	NNE	NNE	NNE	ENE	ENE	E	E
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	WSW	W	W
25	WSW	WSW	W	W	W	W	W	W	W	W	W	W
26	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	W	W	WNW	NW
27	W	W	W	W	W	W	W	W	W	NW	NW	WNW
28	W	W	W	W	W	W	W	W	W	W	W	W
29	W	W	W	W	W	WNW	W	WNW	WNW	WNW	WNW	WNW
30	W	W	W	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	WSW	W	W	W	W	W	W	W	W	W	W	WSW
Mean direction.	WSW	WSW	W	W	W	W	W	W	W	W	W	W

JULY.

Hours.												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	1
W	WNW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	W	2
WSW	SSW	SSW	S	W	W	W	W	W	W	WSW	W	WSW	3
SSW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SSW	4
S	S	S	S	S	S	SSE	SSW	SW	WSW	SW	SSW	S	5
S	S	S	S	SSW	S	S	WSW	SW	SW	SSW	SSW	S	6
W	SSW	SSW	SSE	W	W	W	W	WSW	WSW	WSW	WSW	WSW	7
W	WSW	W	W	W	WSW	WSW	SW	W	WNW	SW	SSE	SW	8
WNW	SW	SSW	WNW	WNW	SW	SE	ENE	E	NE	ESE	N	SSW	9
SSW	SW	SSW	SSW	SE	W	W	W	W	W	W	WSW	SE	10
W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	11
W	W	W	W	W	W	W	W	W	W	W	W	W	12
W	W	W	W	W	W	WSW	WSW	WSW	SW	WSW	WSW	W	13
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	14
WSW	W	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	15
W	W	W	W	W	W	W	W	W	W	WSW	WSW	W	16
W	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	W	17
W	W	W	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	W	18
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	19
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	20
WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	SW	SW	WSW	21
WSW	W	W	WSW	WSW	WSW	W	W	W	W	W	W	WSW	22
W	W	W	W	W	W	W	W	WSW	WSW	SW	W	W	23
W	W	W	W	WSW	W	W	W	W	WSW	W	W	W	24
W	W	W	WSW	WSW	SW	SWW	WSW	W	W	WSW	W	W	25
WSW	WSW	WSW	W	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	26
W	WSW	W	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	27
W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	28
W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	29
WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	30
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	31
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	Mean direction.

AUGUST.

WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	1
W	W	W	W	W	W	W	W	WSW	WSW	WSW	W	W	2
W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	W	3
W	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	4
W	W	W	W	W	W	W	WSW	W	W	W	W	W	5
W	W	NW	W	W	W	W	WSW	SW	SW	SW	WSW	W	6
W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	7
W	W	W	W	W	W	W	W	W	W	W	W	W	8
WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	9
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	10
W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	11
W	W	W	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	12
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	SSW	WSW	13
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	14
W	W	W	W	W	W	W	W	W	W	W	W	W	15
W	W	W	W	W	W	W	W	W	W	W	WSW	W	16
W	W	W	WSW	WSW	SW	WSW	SW	WSW	W	WNW	SW	WSW	17
SW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	18
WSW	SSW	SSW	WSW	WSW	W	W	SW	WSW	WSW	WNW	WNW	SW	19
W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	20
NNW	NW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NE	NW	21
NNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	N	S	NNW	22
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ESE	ESE	ESE	ESE	NNW	23
W	W	W	W	W	W	W	W	W	W	W	WSW	SW	24
W	W	W	W	W	W	W	WNW	WNW	WNW	W	WNW	W	25
WNW	W	W	W	WNW	W	W	NW	WNW	W	W	W	WNW	26
W	W	W	W	W	W	W	W	W	W	W	W	W	27
W	W	W	W	W	W	W	W	W	W	W	W	W	28
W	W	WNW	WNW	W	W	W	W	W	WNW	WNW	WNW	W	29
W	W	W	W	W	W	W	W	W	W	W	WSW	W	30
WSW	WSW	W	W	WSW	WSW	WSW	SW	WSW	WSW	SW	WSW	W	31
W	W	W	W	W	W	W	W	W	W	W	WSW	W	Mean direction.

SEPTEMBER.

Date.	Hours.											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW
2	SW	WSW	WSW	WSW	SW	SW	SW	SSW	SSW	WSW	WSW	W
3	W	W	W	W	SW	SW	SE	SE	SE	SSW	S	S
4	SSW	SSW	W	W	W	WNW	WNW	WNW	WNW	W	W	W
5	W	W	W	W	W	W	W	W	W	W	WSW	WSW
6	ENE	ENE	ESE	ESE	WSW	W	W	WSW	SSW	SW	WSW	WSW
7	W	SSW	SSW	S	S	S	SSE	SSE	SE	SSE	WSW	SW
8	WSW	W	W	W	W	SSW	SSE	SE	S	S	NW	NW
9	WSW	WSW	W	W	W	W	W	WSW	W	W	WSW	W
10	WSW	WSW	W	W	W	WSW	W	W	W	W	W	W
11	WNW	WNW	W	W	W	W	W	W	WNW	WNW	WNW	WNW
12	S	S	S	S	S	SSE	SSE	SSW	SSW	SSW	WSW	W
13	SSE	SSE	WNW	ESE	ESE	SSE	SSE	SSE	S	S	WSW	WSW
14	S	S	SSW	SSW	SW	WSW	SW	SSW	SSW	SSW	SW	SW
15	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW
16	W	W	SSW	SSW	SSW	SSW	W	W	SE	SSE	SSE	SSW
17	W	W	W	W	S	SSE	SSE	SSE	SSE	SSE	SSW	SSW
18	WNW	WNW	WNW	WSW	N	NNE	NE	WNW	NW	NNW	N	NNW
19	NNW	NNW	SSE	Calm	SSE	ESE	ESE	ESE	E	E	ESE	SSW
20	ENE	E	E	ENE	ENE	E	NE	NE	ENE	ENE	ENE	WNW
21	N	ENE	ESE	ESE	SSE	WNW	N	N	SSW	SSW	SSW	SSW
22	NNW	SSW	WNW	WNW	SSE	SSE	SSE	SSE	SSW	SSW	WSW	SW
23	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	NW	NW	NNW	NW
24	NNW	NNW	NNE	NE	NE	NE	ESE	NE	ENE	ENE	ENE	W
25	ENE	NNW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNW	ENE
26	ENE	E	E	E	E	E	ESE	SE	ESE	ESE	WNW	WNW
27	WNW	NNW	NNW	NNW	Calm	NNW	Calm	E	ENE	SE	SSW	WNW
28	S	W	WSW	W	NW	NW	WNW	WNW	WNW	WNW	W	WSW
29	S	S	S	SSE	S	S	S	S	S	S	SSW	SSW
30	S	S	SSE	ESE	SE	SE	SE	SE	SE	SSE	S	SSW
Mean direction.	SW	WSW	WSW	SW	SW	SW	SSW	SSW	SSW	SSW	WSW	WSW

OCTOBER.

1	NW	NNE	NNE	NNE	NE	NE	NE	ENE	ENE	NW	NW	WNW
2	NNW	NNE	NNW	NE	NE	ENE	ENE	ENE	ENE	NW	NW	NW
3	NNW	NW	NNW	NW	NE	NE	NE	ENE	ENE	ENE	SE	WNW
4	WNW	W	NW	ENE	E	ESE	ESE	SE	SE	SSE	SSE	SSW
5	NNE	ENE	ENE	E	ESE	ESE	ESE	ESE	E	E	E	E
6	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	WNW	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	WSW	WNW
8	N	N	NE	NE	NE	NE	E	E	E	E	E	NW
9	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NNE	NNE	NW	NW
10	NW	NNW	NNW	NNW	N	NNE	NNE	NNE	NNE	ENE	ESE	NW
11	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	ENE	ESE	WNW	WNW
12	WNW	WNW	WNW	WNW	WNW	W	W	SW	SSW	SSW	WSW	SW
13	S	S	S	S	S	S	S	S	S	S	S	S
14	SSW	SSW	W	WNW	WNW	WNW	WNW	WNW	W	W	W	W
15	NNW	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	WSW
16	NNW	NNE	NE	NE	NE	NE	NE	NNE	NNE	NW	NW	NW
17	NNE	NNE	NNE	NNE	N	NNE	NNE	NNE	N	NNW	NNW	NW
18	NNW	NW	NW	NW	NW	NNW	NNW	NW	NW	NNW	NNW	WNW
19	NW	NW	NNE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	W
20	N	N	ESE	ESE	NE	NE	NE	NNE	ENE	E	E	WNW
21	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
22	E	NNE	ENE	ENE	NE	NE	E	ENE	ENE	ENE	E	E
23	NNE	NNE	NNE	NNE	ENE	ENE	E	E	E	E	E	ENE
24	ENE	ENE	NE	NNE	NE	ENE	ENE	ENE	ENE	ENE	E	E
25	ENE	NNE	NNE	NNE	ENE	ENE	ENE	E	E	ENE	ENE	ENE
26	ENE	ENE	NNE	NNE	ENE	ENE	ENE	E	E	E	ENE	ENE
27	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE
28	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	ENE
29	ENE	ENE	E	ENE	ENE	ENE	ENE	E	E	ENE	ENE	SW
30	NNE	ESE	E	ENE	ENE	E	E	E	ESE	ESE	ENE	ENE
31	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
Mean direction.	N	NNE	NE	NE	ENE	ENE	E	E	E	E	NE	NW

SEPTEMBER.

Hours.												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WSW	WSW	SW	WSW	WSW	W	W	W	WSW	WSW	WSW	SW	WSW	1
W	WNW	W	W	WNW	WNW	W NW	W	W	W	W	W	WSW	2
SSW	WSW	WNW	WNW	W	W	W	W	SW	SW	WSW	WSW	SW	3
W	W	W	WNW	W	W	W	W	W	W	WNW	W	W	4
WNW	NW	N	SE	SE	WNW	WSW	W	W	S	WNW	SSW	W	5
WNW	NNW	SSW	WNW	W	W	W	W	W	W	W	W	W	6
W	WSW	WSW	WSW	SSW	WSW	W	WNW	WNW	WNW	W	WSW	SW	7
W	W	W	W	W	W	W	WSW	W	W	W	W	WSW	8
W	W	W	W	W	W	W	WSW	WNW	W	W	WSW	W	9
W	W	W	W	W	W	W	WSW	W	WSW	W	WNW	W	10
NW	NW	NW	NW	NW	NW	NNW	Calm	NNW	SE	SSW	S	WNW	11
W	W	W	WSW	WSW	WSW	W	S	S	SSE	SE	ESE	S	12
WSW	WSW	WSW	W	SSW	SW	W	SSW	SW	SSW	SSE	S	S	13
SW	WSW	SW	SW	WSW	SW	SW	WSW	SW	W	SSW	SSW	SW	14
WNW	W	WSW	WSW	WSW	WSW	W	W	WSW	W	WNW	W	W	15
W	W	WSW	SSW	S	W	W	W	W	W	W	W	WSW	16
SSW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	WNW	WNW	SW	17
N	NW	N	N	N	N	NNW	ENE	ESE	ESE	NE	Calm	N	18
NW	NW	NW	WNW	WNW	WNW	NW	ENE	ENE	NE	WNW	NNW	NNE	19
NW	WNW	WNW	WNW	WNW	WNW	N	WNW	WNW	WNW	WNW	N	NNW	20
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNW	W	21
WNW	WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	N	NNE	W	22
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	23
NW	WNW	WNW	NW	NW	NNW	NW	NNW	NNW	ENE	NW	ENE	N	24
ENE	WNW	WNW	NW	NW	NW	NW	NNW	NNW	N	NNE	ENE	NNW	25
WNW	WNW	WNW	NW	NNW	NNE	WNW	WNW	NNW	WNW	ESE	W	NW	26
WNW	WNW	WNW	WNW	WNW	NE	ENE	ESE	SE	S	SW	SSW	WNW	27
WSW	SSW	SSW	S	S	S	S	S	S	S	SSW	S	SW	28
SSW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	S	S	29
SSW	WSW	WSW	W	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	30
W	W	W	W	W	W	WNW	W	W	W	WSW	SW	WSW	Mean direction.

OCTOBER.

WNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	WNW	NW	1
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	N	N	NNW	NNW	NW	2
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	3
SSW	SSW	SW	WSW	W	W	WNW	WNW	WNW	WNW	NW	NNE	S	4
SSE	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	5
WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	6
WNW	W	NW	NW	WNW	WNW	WNW	Calm	Calm	WNW	WNW	WNW	SE	7
NW	NW	NW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	8
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	9
NW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	N NW	NNW	NNW	10
WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	WNW	WNW	NW	11
WSW	WNW	NW	NW	WNW	WNW	WNW	WNW	W	SSW	S	S	WSW	12
SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	S	13
W	W	W	WNW	WNW	NNW	WNW	WNW	WNW	NNW	NNW	NNW	WNW	14
WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	15
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	16
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	17
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	18
WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	N	N	NW	19
WNW	NW	NW	WNW	WNW	NW	NNW	NNW	NNW	N	NNE	NNE	NNW	20
ENE	ENE	ENE	ENE	N	NNW	NNW	NNW	NNW	N	N	N	NE	21
E	E	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	ENE	NNE	22
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	E	NNE	23
E	E	E	WNW	NW	NW	NNW	NNW	NNW	NNE	NE	NE	NE	24
ENE	WNW	NW	NW	NW	NNW	WNW	NNW	N	NNE	NNE	NE	NNE	25
WNW	NW	NW	NW	NW	NNW	NNW	NNW	N	NNE	NE	E	NNE	26
ENE	ENE	ENE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	ENE	NE	27
ENE	ENE	NW	WNW	WNW	WNW	NW	NNW	NNW	N	N	N	NE	28
NW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	29
ENE	ENE	WNW	NW	NW	NNW	NW	NW	NNW	NNW	N	NE	NE	30
ENE	NNW	WNW	WNW	NW	NW	NNW	NNW	N	NNE	NNE	NNE	NE	31
WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	Mean direction.

NOVEMBER.

Date.	Hours											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NNE	ENE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
2	ENE	NE	ENE	E	ENE	ENE	ENE	ENE	ENE	E	ENE	WNW
3	ENE	ENE	NE	NE	NE	ENE	ENE	ENE	ENE	NE	NNW	NW
4	NE	NE	NNE	NNE	NE	NNE	NE	NE	ENE	E	E	E
5	N	ESE	ESE	E	E	E	E	E	E	ESE	ESE	ESE
6	N	N	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE
7	ENE	ENE	E	E	E	ENE	ENE	SSE	E	E	ENE	ENE
8	ENE	E	NE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
9	ENE	ENE	ENE	ENE	E	E	E	E	E	ENE	ENE	ENE
10	NNW	NNW	ESE	E	E	E	E	E	E	E	ENE	ENE
11	ENE	ENE	E	NE	ENE	E	E	ENE	ENE	E	ENE	ENE
12	NE	NE	NE	E	ENE	ENE	ENE	E	E	E	ENE	ENE
13	NE	ENE	ENE	ENE	E	E	E	E	E	E	ESE	NW
14	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	ENE	E	WNW
15	N	E	ENE	E	E	E	E	E	E	E	ENE	ENE
16	NNE	ESE	E	NE	ENE	ENE	ENE	E	E	E	ENE	ENE
17	NNE	NE	ENE	NE	NE	NE	ENE	NE	ENE	ENE	E	E
18	ENE	NNE	NNE	ESE	E	E	ENE	ENE	ENE	ENE	E	E
19	NNE	NE	ENE	ENE	ESE	ESE	E	E	E	E	ENE	ENE
20	NNE	NE	NE	ENE	ESE	E	ENE	ENE	ENE	ENE	ENE	WNW
21	ENE	E	NE	ENE	ENE	ENE	NE	NE	NE	ENE	ESE	NNW
22	ESE	ENE	NE	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	NW
23	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ENE	ENE
24	ENE	ENE	NE	NE	ENE	ENE	ENE	NE	ENE	ENE	ENE	WNW
25	NNE	ENE	ENE	ENE	NE	NE	ENE	E	E	ENE	ENE	ENE
26	N	N	N	ENE	NE	NE	NNE	ENE	NE	NE	ENE	NE
27	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	ENE
28	ENE	ENE	ENE	E	E	E	E	E	E	E	E	ENE
29	E	E	E	E	E	E	E	E	ESE	E	ENE	ENE
30	N	E	E	E	E	E	E	E	ESE	E	E	ENE
Mean direction.	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	NE

DECEMBER.

1	N	N	E	ESE	ENE	ENE	ENE	E	ENE	E	ESE	E
2	NNE	NNE	ESE	NE	ENE	ENE	E	E	E	ENE	ENE	ENE
3	NE	E	E	ENE	E	E	E	E	E	E	E	ENE
4	NNE	E	E	ESE	E	E	E	E	E	E	ENE	ENE
5	NNE	NNE	ESE	ESE	ESE	E	E	E	ESE	ESE	ESE	ESE
6	E	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E
7	ENE	ENE	NE	E	E	E	E	ENE	E	E	N	WNW
8	NNW	NNW	NNW	NNE	NNE	ENE	NNE	NNE	NNE	NNW	NNW	NNW
9	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NW	NW
10	N	SE	SE	NE	NE	E	ENE	ENE	E	E	E	E
11	NE	NE	NNE	NNE	NNE	NNE	NE	NNE	ENE	ENE	E	NW
12	NNE	NNE	NNE	NNE	ENE	ENE	ENE	E	E	ESE	ESE	S
13	ENE	ESE	E	ESE	ESE	E	E	E	E	E	ENE	ENE
14	N	E	ENE	ENE	ENE	NNE	NNE	NNE	ENE	ENE	ENE	NE
15	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
16	NE	NE	NE	ENE	ENE	E	ENE	E	E	E	E	ESE
17	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E
18	NNE	N	N	N	N	NNE	ENE	ENE	E	E	NW	NW
19	NNE	ESE	N	N	NE	N	NNE	NNE	N	NNE	E	E
20	ENE	ENE	ENE	E	E	E	ENE	NNE	E	E	ENE	ENE
21	ENE	ENE	NE	NNE	ENE	E	E	E	E	E	ESE	ESE
22	NNE	NNE	NNE	NE	NE	ENE	ESE	ESE	ESE	ESE	ENE	E
23	NNE	NNE	ESE	ESE	ESE	ENE	ENE	E	E	E	ENE	ENE
24	N	E	ENE	ENE	ENE	ESE	ESE	ESE	ESE	ESE	E	E
25	NNE	ENE	ENE	E	E	E	ENE	ESE	ESE	E	E	E
26	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ESE	E	E	ENE	ENE
27	ESE	E	ESE	E	E	E	E	E	ENE	E	E	ENE
28	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E
29	NNE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE	E	E
30	NNW	NNW	E	ESE	ESE	E	ESE	ESE	SSE	SE	ESE	SE
31	E	E	E	E	ENE	ENE	ENE	ENE	E	E	E	ENE
Mean direction.	NE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	ENE

NOVEMBER.

Hours.												Mean direction.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
ENE	ENE	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	1
NW	NW	NW	NW	NW	NNW	NNW	NNW	N	NNE	ENE	ENE	NNE	2
NNW	NW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	N	3
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNW	N	N	4
SE	WNW	NW	NW	NW	NNW	NNW	NW	NNW	N	N	N	NE	5
NW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	N	6
WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NW	N	NNE	NE	N	7
ENE	ENE	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	ENE	NE	8
ENE	ENE	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	Calm	NE	9
ENE	ENE	WNW	NW	NW	NNW	NNW	NNW	NNW	NNE	NE	ENE	NE	10
ENE	ENE	WNW	NW	NW	NW	NNW	NNW	NNW	NE	NE	NE	NE	11
ENE	NW	NW	NW	NW	NNW	NNW	NNW	N	NE	NE	NE	NE	12
NW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	ENE	NE	13
NW	NW	WNW	NW	NNW	NNW	NNW	NNW	NW	N	N	N	NE	14
ENE	E	W	WNW	NW	NW	NNW	NNW	NNW	NNW	NNE	NNE	NE	15
WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	16
WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNE	NNE	NNE	NNE	17
ENE	NW	NW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	18
ENE	WNW	WNW	WNW	NW	NNW	NNW	NNW	N	N	N	NNE	NNE	19
NW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	NNE	NE	N	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	ESE	N	21
NW	NW	NW	NNW	NNW	NW	N	N	N	NE	NE	ESE	N	22
NW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNE	NNE	NNE	NNE	N	23
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	24
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	25
ENE	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	N	26
ENE	ENE	ENE	NNW	NNW	NNW	NNW	N	N	NNE	ENE	ENE	NE	27
ENE	ENE	NW	NW	NNW	NNW	NNW	NNW	NW	N	NE	NE	NE	28
E	WNW	WNW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NE	29
ENE	WNW	NW	NW	NW	NW	NNW	NNW	N	N	N	N	NE	30
N	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	Mean direction.

DECEMBER.

ENE	ENE	NW	NW	NW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	NE	1
WSW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NE	NNE	2
ENE	ENE	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NE	3
ENE	ENE	ENE	WNW	WNW	NW	NNW	NNW	NNW	N	N	NNE	ENE	4
SW	W	W	WNW	WNW	WNW	WNW	NNW	NNE	NNE	ENE	ENE	ENE	5
WNW	WNW	WNW	NW	NW	NW	NW	NNW	N	N	N	NNE	NNE	6
WNW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	N	NNE	NNW	N	7
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	N	NNW	8
NW	NW	NW	NW	NW	NNW	N	N	N	N	N	Calm	NNW	9
NW	NW	NNW	NW	NW	NNW	NNW	NNW	N	NNE	NNE	NNE	NNE	10
NW	NW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	11
W	W	WNW	WNW	WNW	NW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	12
WNW	WNW	WNW	WNW	WNW	NNW	NNW	NNW	NNW	N	N	N	NNE	13
WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	ENE	ENE	NNE	14
WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	NNE	15
SE	SE	WNW	WNW	WNW	WNW	NNW	NNW	N	NNE	NNE	NE	NE	16
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	N	17
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNW	18
E	WNW	WNW	NW	NW	NW	NW	NNW	NNE	NNE	NNE	ESE	N	19
ENE	WNW	WNW	WNW	NW	NW	NNW	NNW	NNE	NE	NNE	ENE	NNE	20
WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	21
ESE	ESE	WNW	NW	NW	NW	NNW	NNW	N	NNE	NE	NNE	NNE	22
ENE	WNW	WNW	NW	NW	NNW	NNW	NNW	N	N	N	N	N	23
E	SE	WNW	WNW	WNW	WNW	NW	NNW	NNE	NNE	NE	NE	NE	24
W	W	WNW	WNW	WNW	WNW	WNW	NNW	NNW	NNE	NNE	NNE	NE	25
ENE	ENE	NW	NW	NW	NNW	NNW	NNW	NNE	NNE	NNE	NNE	NNE	26
WNW	WNW	NW	NW	NW	NW	NW	NNW	NNE	NNE	NE	NE	NE	27
E	NW	WNW	WNW	NW	NNW	NNW	NNW	N	N	N	N	NE	28
NNE	WNW	WNW	WNW	WNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNE	29
W	WNW	WNW	WNW	NW	NW	NNW	N	N	NNE	NNE	NE	NE	30
S	W	WNW	NW	NW	NNW	NNW	N	NNE	ENE	ESE	ESE	NE	31
NW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	Mean direction.

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Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	73·4	73·7	72·9	73·1	72·5	72·4	71·2	71·2	72·2	74·0	75·6	77·9	79·6	80·4	81·3
2	73·2	72·4	71·4	71·3	71·3	71·5	70·8	70·7	72·6	73·9	75·5	77·5	79·0	79·1	79·3
3	73·2	72·3	72·7	72·4	71·7	70·8	71·4	71·4	72·4	74·7	76·0	77·0	79·0	80·1	80·2
4	72·4	72·2	72·1	71·8	71·1	70·6	70·1	69·7	71·3	74·1	75·5	75·6	77·5	77·9	78·6
5	68·0	67·5	66·9	66·3	65·4	74·8	63·6	63·4	64·8	67·8	70·9	73·2	75·7	75·6	76·4
6	65·0	64·4	64·4	64·4	64·2	63·3	**61·3**	63·9	65·7	68·9	72·3	75·2	77·5	78·5	78·8
7	70·4	71·9	71·9	71·5	71·1	70·9	70·2	70·9	72·8	74·6	77·0	79·4	80·1	80·9	81·9
8	75·8	75·7	75·3	74·2	74·7	74·6	73·7	73·3	74·0	75·9	77·1	78·2	79·5	80·6	81·3
9	74·1	73·8	73·6	73·5	73·4	73·3	73·2	72·3	73·4	74·1	75·2	76·4	78·4	78·7	79·1
10	73·9	73·4	73·4	73·2	72·6	71·9	72·1	71·8	73·0	74·2	76·0	76·9	77·4	78·3	78·8
11	73·3	73·0	72·2	72·1	71·5	71·3	71·0	70·9	71·2	73·2	75·4	77·2	80·2	80·7	80·2
12	72·8	71·9	72·5	72·2	71·7	70·8	70·8	70·5	72·0	73·9	76·1	78·0	79·7	79·9	80·1
13	72·4	72·7	72·4	71·8	71·4	71·1	69·0	68·1	70·1	72·0	74·3	76·8	77·7	78·5	78·7
14	69·5	69·7	69·8	70·9	69·5	68·2	68·2	68·1	69·8	72·6	75·0	76·7	77·3	78·1	78·7
15	69·4	69·4	68·6	68·0	67·6	67·3	67·2	66·6	68·5	70·1	72·1	74·8	76·6	77·5	78·0
16	70·2	70·6	70·6	70·5	69·2	69·3	69·0	68·3	69·8	71·3	74·3	77·1	80·2	82·8	81·2
17	73·3	72·7	73·3	72·7	72·1	71·6	71·5	71·4	72·1	73·8	76·4	78·8	81·0	82·1	82·7
18	74·4	73·9	74·1	73·9	73·0	72·4	71·4	71·5	73·0	74·3	76·2	78·0	81·1	82·2	83·1
19	74·1	73·5	73·5	73·7	72·6	71·3	72·1	72·2	73·1	74·4	76·9	77·9	79·9	80·0	80·4
20	72·9	72·0	71·5	70·9	70·8	70·6	70·5	70·3	71·4	73·6	77·0	78·3	78·6	79·9	80·3
21	72·9	71·9	71·4	71·4	70·9	69·8	69·0	68·6	69·0	71·5	74·5	76·0	77·8	78·2	78·6
22	69·5	68·5	68·7	68·0	67·3	66·2	65·9	65·9	67·4	70·7	73·0	74·7	75·8	78·0	76·8
23	71·8	71·5	69·8	69·1	68·9	68·1	68·5	67·6	69·2	71·6	73·5	75·6	76·8	76·8	77·8
24	71·0	70·2	69·1	69·6	68·1	66·9	67·6	66·7	68·8	71·5	73·3	75·1	76·9	76·9	78·2
25	70·4	70·1	69·2	69·5	69·1	68·4	68·1	69·2	69·4	70·3	73·4	75·4	76·8	76·6	78·1
26	70·5	69·7	69·6	68·8	69·5	69·5	69·0	68·4	69·2	71·0	73·6	73·7	75·7	76·5	76·8
27	69·2	67·3	67·8	67·7	67·7	67·0	66·6	65·9	67·9	70·4	72·3	73·9	75·8	77·3	78·4
28	68·9	68·8	69·5	68·6	67·7	67·6	67·0	67·0	68·6	70·2	72·8	75·4	78·8	79·0	79·0
29	71·6	71·2	70·6	69·2	68·9	68·9	68·3	68·1	70·6	72·5	74·8	77·2	80·4	79·7	78·8
30	71·9	72·7	71·5	70·4	70·4	69·7	69·0	69·3	70·9	72·6	75·0	78·8	79·7	80·1	80·7
31	72·4	71·4	71·3	70·8	71·0	71·0	70·4	69·7	72·0	74·0	76·5	78·5	82·5	80·4	81·1
Mean . .	71·4	71·3	71·0	70·7	70·2	69·7	**69·3**	69·4	70·5	72·5	74·8	76·6	78·5	79·1	**79.5**
Variation .	−2·2	−2·6	−2·9	−3·2	−3·7	−4·2	**−4·6**	−4·5	−3·4	−1.4	+0·9	+2·7	+4.6	+5·2	**+5.6**

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1	73·4	73·0	73·2	71·6	70·7	70·9	71·2	70·6	72·0	74·9	77·7	78·2	79·5	79·5	79·4
2	72·0	71·5	72·0	71·5	71·3	70·9	70·9	70·2	71·2	73·4	75·2	76·1	77·1	76·6	77·2
3	70·7	70·0	69·9	69·6	69·2	69·0	68·6	68·0	70·4	72·4	75·0	76·5	76·6	77·3	78·0
4	69·6	68·9	69·0	68·7	68·5	68·1	68·1	68·1	70·1	71·4	74·2	77·4	78·9	79·0	80·1
5	74·6	75·2	74·4	73·7	73·4	72·8	71·2	72·8	74·5	75·8	77·9	78·6	79·6	78·5	80·1
6	72·9	72·7	72·9	71·4	71·2	70·9	70·9	70·7	72·3	73·4	75·6	77·2	79·6	79·7	79·6
7	73·1	73·4	73·2	73·2	72·8	72·0	71·9	71·8	72·9	74·1	76·1	77·7	78·2	77·7	79·4
8	72·7	72·7	72·4	71·8	70·6	70·0	69·4	68·8	70·5	72·7	74·7	75·0	76·7	76·9	77·8
9	69·5	69·8	69·6	70·4	69·7	69·5	69·7	68·9	70·6	70·5	73·4	75·4	74·9	75·5	76·5
10	69·7	69·3	70·0	69·9	68·4	69·5	68·6	68·6	70·1	70·7	73·4	74·5	74·2	74·6	74·8
11	66·7	66·1	65·8	66·1	66·3	66·3	66·0	66·2	67·0	68·8	70·5	72·2	74·3	75·3	75·5
12	67·0	66·0	65·9	66·5	67·4	66·8	66·4	**65·2**	66·4	70·0	73·0	75·6	76·5	77·0	78·2
13	68·8	67·8	68·0	67·9	67·8	68·2	68·1	68·4	70·6	72·6	75·7	78·6	83·0	82·0	82·3
14	72·6	70·9	70·2	72·1	71·0	69·3	69·0	67·4	69·3	72·7	75·7	77·2	78·5	80·0	80·2
15	72·2	71·8	70·9	69·8	68·9	68·1	67·8	67·4	69·7	73·2	75·9	77·5	79·8	79·8	80·1
16	71·1	71·2	70·6	70·2	69·1	68·4	68·6	68·1	70·4	72·3	75·2	76·9	78·3	78·3	79·4
17	72·7	72·4	72·7	72·8	72·6	72·1	72·1	70·8	72·2	75·7	77·4	79·7	79·4	80·2	81·4
18	74·6	74·5	74·4	74·5	74·3	74·0	73·6	71·9	73·6	76·4	77·5	79·1	79·3	80·6	80·9
19	75·0	74·6	74·6	74·3	73·9	73·2	72·7	72·4	74·5	76·8	78·4	79·4	80·4	80·7	81·5
20	75·5	75·5	75·3	75·2	75·0	73·7	72·1	72·0	74·9	77·2	79·3	80·3	80·5	81·0	82·1
21	75·5	74·9	74·3	73·9	73·1	71·9	71·6	71·4	73·8	75·5	77·0	78·1	80·1	81·2	80·0
22	74·9	74·2	73·7	71·8	71·2	70·6	70·3	70·3	72·2	75·0	77·2	78·0	78·7	79·5	79·1
23	73·2	72·8	72·9	72·7	71·7	71·2	70·2	70·1	72·2	74·2	76·6	77·2	78·9	79·4	79·0
24	74·2	73·9	73·6	73·6	72·8	71·9	71·0	70·9	73·1	74·2	76·3	78·1	80·0	80·1	80·3
25	74·2	74·1	73·3	72·2	72·3	72·0	72·2	71·9	73·9	75·8	76·9	78·3	79·9	80·4	81·7
26	73·4	73·3	73·0	72·2	71·5	71·0	70·3	70·7	73·1	75·6	78·3	80·3	80·2	80·5	81·1
27	74·7	74·4	74·8	74·2	74·1	73·5	73·7	72·7	75·9	78·8	82·4	81·8	83·6	83·7	**84·2**
28	75·4	76·2	75·3	74·6	75·8	76·2	75·9	76·2	77·6	78·8	81·5	81·8	81·6	82·5	82·9
29	74·4	74·2	74·9	74·2	73·4	73·6	73·9	73·2	74·9	76·6	78·5	81·0	84·0	83 1	82·8
Mean . .	72·6	72·2	72·1	71·7	71·3	70·9	70·6	**70·2**	72·1	74 1	76·4	77·9	79·0	79·3	**79·8**
Variation . .	−2·1	−2·5	−2·6	−3·0	−3·4	−3·8	−4·1	**−4·5**	−2·6	−0·6	+1·7	+3·2	+4·3	+4·6	+5·1

†The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

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Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
80·8	80·2	78·5	77·2	76·3	75·7	75·2	74·6	73·6	75·6	13 28	81·5	6 56	71·1	1
79·9	79·7	78·2	76·8	76·4	76·0	75·4	74·5	74·0	75·0	14 52	80·5	6 30	70·6	2
80·4	80·0	78·3	77·0	76·5	75·8	75·0	74·5	73·4	75·3	15 58	80·8	5 28	70·7	3
77·7	76·6	74·4	72·7	72·4	72·4	71·5	70·1	68·6	73·2	13 48	78·7	23 58	68.2	4
75·9	75·5	73·5	72·4	71·7	70·6	69·0	67·8	66·8	**69·7**	14 2	76·5	6 20	63·3	5
79·0	77·9	75·6	74·3	73·8	73·6	72·7	71·6	71·2	70·7	14 16	79·3	6 1	**61·2**	6
82·1	81·9	80·2	78·0	76·8	76·3	75·9	76·3	75·9	75·8	14 30	82·6	5 50	70·1	7
80·3	80·1	78·2	76·9	76·0	75·7	75·3	74·9	74·4	76·5	14 20	81·6	6 50	73·2	8
79·3	78·8	77·4	76·1	75·5	75·3	75·0	74·6	74·1	75·4	14 44	79·5	6 41	72·3	9
78·4	77·7	76·1	75·0	74·5	74·3	73·9	73·9	73·5	74·8	14 1	78·9	6 22	71·4	10
81·3	80·3	78·7	76·9	76·0	75·5	75·2	75·0	73·5	75·2	12 10	82·0	6 30	70·7	11
80·0	79·6	78·1	76·8	75·9	75·2	74·7	73·9	73·5	75·0	14 12	81·0	6 12	70·4	12
78·2	77·3	75·7	74·9	74·3	74·2	73·8	72·3	70·6	73·7	13 25	79·0	6 50	68·1	13
77·6	77·1	75·5	74·7	74·2	73·6	72·6	71·1	70·2	72·9	14 10	78·9	5 26	68·0	14
78·5	78·5	76·4	75·0	74·2	74·0	73·4	72·6	72·0	72·3	15 40	79·0	6 45	66·0	15
81·2	80·2	78·5	77·0	76·4	75·9	74·7	73·5	73·2	74·4	12 48	83·1	6 56	68·2	16
82·4	82·0	80·1	78·2	77·2	76·4	75·8	75·7	73·9	76·1	13 51	83·0	4 28	71·4	17
84·2	83·4	80·7	78·7	77·9	76·9	76·0	75·2	74·4	**76·7**	14 55	**84·3**	5 35	71·3	18
79·2	79·1	77·5	76·0	75·7	75·8	75·3	74·5	73·7	75·5	14 30	80·5	4 56	71·2	19
78·6	77·6	76·4	75·9	75,7	75·4	74·5	73·5	73·5	**74·6**	13 50	80·5	5 45	69·5	20
78·0	77·6	76·0	74·6	73·8	73·5	72·9	71·9	70·6	73·4	14 26	78·7	7 20	68·5	21
78·2	76·5	74·9	73·8	73·3	72·8	72·6	71·7	71·0	71·7	13 30	78·2	6 40	65·5	22
76·6	75·9	74·8	73·6	72·9	72·5	71·5	71·0	70·1	72·3	14 5	78·0	7 10	67·5	23
77·3	77·3	75·8	74·3	73·8	73·5	72·1	71·5	71·2	72·4	14 10	78·3	6 54	66·6	24
78·0	77·9	75·3	73·8	73·1	72·4	71·6	71·0	71·0	72·4	14 22	78·5	5 54	68·0	25
76·4	75·5	74·2	72·7	72·1	71·3	70·7	70·3	69·7	71·9	13 20	77·0	6 36	68·3	26
78·8	77·9	75·8	74·0	73·2	72·4	71·8	71·1	70·0	71·7	14 30	78·9	6 30	65·6	27
79·2	77·9	76·5	74·8	73·9	73·5	73·0	72·1	72·0	72·6	13 57	79·5	6 55	67·0	28
78·2	78·0	76·4	75·2	74·6	74·6	73·5	72·1	72·1	73·6	11 52	80·7	6 30	68·0	29
80·1	78·8	77·2	75·7	75·0	74·9	74·2	73·5	72·9	74·4	12 28	81·2	6 8	68·8	30
80·4	80·8	78·5	76·7	75·9	75·4	74·9	74·3	73·6	75·1	12 9	82·5	7 2	69·6	31
79·2	78·6	76·9	75·5	74·8	74·4	73·7	72·9	72·2	73·9					Mean. . .
+5·3	+4·7	+3·0	+1·6	+0·9	+0·5	−0·2	−1·0	−1·7						Variation. .

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79·4	78·7	77·1	75·5	74·8	74·2	73·8	73·5	72·8	74·8	12 45	80·0	6 10	70·5	1
77·0	76·3	74·8	73·4	72·8	72·8	72·4	72·2	71·8	73·4	12 28	77·5	6 35	70·1	2
77·4	77·4	75·6	73·9	72·7	72·3	72·0	71·1	70·3	72·7	14 10	78·4	6 36	68·0	3
80·8	81·3	79·0	77·6	77·0	76·9	76·1	76·2	75·0	74·2	15 40	82·1	5 40	67·8	4
79·3	78·2	77·2	75·7	74·9	73·9	73·7	73·7	73·3	75·5	12 30	80·4	5 45	71·2	5
79·7	79·6	78·1	76·4	75·2	74·2	73·8	74·2	74·0	74·8	14 38	80·4	6 36	70·6	6
78·8	77·9	75·8	74·2	73·4	72·9	72·5	72·9	72·8	74·5	14 14	79·8	6 44	71·7	7
77·3	76·9	75·3	73·3	72·2	71·4	71·3	70·8	69·8	73·0	14 46	78·0	6 32	68·8	8
75·7	75·7	74·2	73·0	72·1	71·6	71·4	71·3	70·7	72·1	14 45	76·8	7 6	68·8	9
74·6	73·9	72·3	70·9	70·1	69·6	68·9	68·2	66·7	70·9	14 45	75·0	23 20	66·5	10
76·2	75·8	74·0	72·5	71·9	71·3	71·0	69·4	68·0	**70·1**	14 55	76·5	1 52	65·5	11
78·2	77·2	75·7	74·4	74·0	73·7	73·2	72·2	70·5	71·5	14 34	78·5	6 48	**65·1**	12
80·7	79·9	77·8	76·0	75·2	74·7	73·2	72·1	71·6	73·8	12 22	83·2	0 40	67·6	13
78·8	78·5	77·2	76·0	75·4	75·1	74·2	73·9	72·9	74·1	14 5	80·3	7 10	67·3	14
79·4	78·7	77·1	74·9	74·2	74·2	73·7	72·7	71·3	73·7	13 15	80·8	6 50	67·3	15
80·4	79·5	77·7	76·0	75·2	74·6	74·3	73·7	72·6	73·8	14 58	80·5	6 35	68·0	16
79·5	79·4	78·4	77·1	76·4	75·9	75·5	75·2	74·6	75·7	14 5	81·5	7 5	70·5	17
80·4	80·1	78·9	77·8	76·6	76·0	75·1	75·5	75·2	76·5	14 4	81·6	7 20	71·5	18
81·9	82·0	80·2	79·0	78·2	78·2	77·2	76·1	75·8	77·1	14 45	82·2	6 40	72·4	19
81·8	81·2	79·6	79·1	78·3	77·3	76·3	76·1	75·8	77·3	13 55	82·3	6 40	71·8	20
79·9	80·3	79·1	78·2	78·2	77·3	75·0	74·6	75·0	76·2	12 56	81·3	6 45	71·3	21
78·8	78·9	77·7	75·8	75·1	74·6	74·4	74·2	73·6	75·0	13 21	79·6	5 28	70·3	22
79·3	78·4	77·6	76·4	75·9	75·6	74·7	73·9	74·6	74·9	12 35	79·5	6 30	70·0	23
80·5	79·5	78·1	77·2	76·1	75·1	74·2	74·5	74·4	75·6	14 45	80·7	6 35	70·6	24
81·6	81·2	78·8	76·6	75·5	75·2	74·6	73·9	73·8	75·8	14 36	81·8	6 36	71·7	25
81·1	80·3	78·8	77·9	77·5	77·3	76·9	76·7	75·2	76·1	13 56	81·3	6 5	70·2	26
83·3	82·9	81·3	79·1	78·6	78·6	77·5	77·3	76·2	78·2	13 46	**84·4**	6 36	72·5	27
82·8	82·3	81·2	79·0	77·6	76·7	76·0	75·4	74·9	**78·3**	13 50	83·6	2 56	74·2	28
82·1	81·3	79·7	77·9	77·0	76·4	75·7	74·9	74·2	77·2	11 58	84·1	6 50	73·1	29
79·6	79·1	77·5	76·0	75·2	74·7	74·1	73·7	73·0	74·7					Mean . .
+4·9	+4·4	+2·8	+1·3	+0·5	0·0	−0·6	−1·0	−1·7						Variation .

† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

MARCH. (IN DEGREES FAHRENHEIT.)

Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	73·9	73·1	73·2	73·6	73·2	72·4	72·4	72·2	74·2	76·0	77·6	79·1	80·0	80·8	81·2
2	74·0	73·4	73·3	72·0	71·6	71·4	71·2	**71·1**	72·9	75·2	76·9	78·4	80·2	81·0	81·3
3	76·1	74·9	74·6	75·9	76·0	74·3	73·3	73·9	77·1	79·1	83·5	84·9	85·9	86·9	85·1
4	78·3	77·8	77·4	76·1	75·6	76·2	76·3	77·2	78·7	81·6	84·1	86·8	91·2	**92·3**	89·0
5	78·8	78·0	78·5	77·8	77·1	76·4	76·3	76·6	78·9	80·5	82·8	86·8	88·4	87·0	86·8
6	77·2	76·6	76·6	75·9	75·6	74·9	74·7	74·7	76·8	78·9	81·5	82·4	82·8	83·3	83·7
7	78·7	78·6	77·5	77·5	77·1	76·6	75·8	75·7	77·5	79·6	80·6	81·9	83·1	84·2	85·4
8	77·9	78·8	77·9	76·6	76 5	76·7	76·1	75·3	78·3	80·6	82·9	83·5	83·7	84·4	84·3
9	77·5	76·5	75·6	75·5	75·0	74·9	75·0	74·9	77·8	80·6	82·2	82·9	82·6	83·4	83·7
10	76·6	76·0	75·1	75·2	74·4	73·4	72·3	72·1	76·2	79·3	82·1	83·0	84·2	84·2	84·6
11	78·8	78·0	77·0	77·9	77·8	76·2	75·9	75·2	78·8	80·5	82·4	85·2	85·3	85·0	86·8
12	78·5	78·0	77·5	77·8	76·8	76·4	76·9	76·6	78·0	80·1	81·3	82·8	83·6	84·6	84·3
13	78·7	78·5	77·8	76·8	77·4	77·1	76·6	76·5	78·2	79·7	81·1	81·9	83·8	85·4	84·8
14	78·1	77·6	77·0	76·2	75·9	76·3	75·6	76·3	78·3	79·7	81·0	82·5	83·4	83·8	83·6
15	77·8	77·1	76·8	75·9	75·7	75·4	74·8	75·3	77·9	79·8	81·6	82·4	83·8	84·6	85·3
16	77·9	76·8	76·4	76·2	76·5	75·4	75·4	76·2	78·7	80·7	82·6	82·8	83·2	83·7	84·0
17	80·3	80·1	79·9	79·7	79·9	79·6	80·2	80·5	82·2	83·7	87·1	89·5	87·8	88·0	87·8
18	82·2	81·5	81·4	80·1	80·0	79·3	78·8	79·4	81·9	83·5	86·3	85·4	86·7	86·5	86·4
19	80·4	80·4	79·2	78·5	78·2	78·2	79·3	80·1	81·6	84·2	86·8	89·5	91·3	90·3	89.0
20	82·0	81·3	80·7	80·3	79·8	79·4	78·8	79·0	82·6	83·4	85·2	86·7	87·0	88·1	89·0
21	83·0	83·3	84·0	83·0	83·9	83·0	83·0	83·0	84·5	88·1	89·5	88·0	88·6	88·8	88·7
22	80·0	78·7	78·4	78·1	78·8	78·5	78·2	78·7	82·7	84·2	85·5	85·2	86·3	87·1	87·1
23	78·3	77·5	76·6	77·6	78·0	76·8	76·3	77·5	80·1	82·1	83·1	84·5	85·2	86·0	86·9
24	77·5	77·8	77·9	77·9	77·0	76·4	75·5	75·9	78·6	81·0	82·6	84·5	86·0	86·7	86·8
25	78·2	77·7	77·2	76·8	77·6	77·2	76·3	76·1	81·0	83·7	85·4	85·9	86·6	86·1	88·0
26	80·9	80·5	80·1	79·6	78·8	79·1	78·3	79·2	82·1	84·1	84·6	86·0	86·6	88·2	88·8
27	81·8	81·4	81·2	80·9	81·0	80·8	81·2	81·3	82·9	84·6	85·9	86·2	87·8	88·2	88·5
28	79·0	79·0	79·1	78·7	78·7	78·7	78·1	78·4	81·2	83·1	85·3	86·0	87·8	88·4	88·0
29	80·1	79·3	78·6	78·3	78·2	77·8	77·1	78·3	81·1	83·2	86·8	85·9	87·3	86·6	86·9
30	80·0	79·7	79·8	79·6	79·3	78·3	78·4	79·1	81·7	84·5	85·0	86·1	86·4	86·9	87·0
31	80·8	80·1	79·3	79·0	78·6	79·0	79·3	79·1	81·5	83·2	85·1	85·5	86·9	87·8	88·3
Mean	78·8	78·3	77·9	77·6	77·4	77·0	**76·7**	76·9	79·5	81·6	83·5	84·6	85·6	86·1	86·2
Variation	—2·3	—2·8	—3·2	—3·5	—3·7	—4·1	**—4·4**	—4·2	—1·6	+0·5	+2·4	+3·5	+4·5	+5·0	+5·1

APRIL.

1	83·6	83·3	83·0	82·7	82·6	82·3	82·0	82·3	85·0	86·3	86·4	87·5	88·2	88·7	88·6
2	82·6	82·2	82·3	82·1	81·7	81·6	81·2	81·7	83·5	85·5	87·2	87·4	88·1	88·2	89·0
3	82·2	82·0	81·8	81·5	81·4	81·3	81·2	81·7	83·4	84·4	86·2	87·0	87·0	87·5	88·4
4	82·5	82·6	82·6	82·2	82·0	81·6	81·3	82·4	84·5	86·8	88·0	88·5	89·1	90·2	89·5
5	82·2	82·1	81·8	81·5	81·0	80·8	80·7	81·2	83·7	85·5	86·4	87·6	87·7	88·6	88·4
6	81·8	81·6	81·7	81·7	81·9	81·6	90·5	81·7	83·9	85·1	86·7	87·6	88·4	88·0	88·3
7	81·8	81·6	81·5	81·1	80·8	79·8	79·3	80·8	84·1	85·8	87·5	88·2	88·7	88·4	89·2
8	81·3	80·6	80·4	79·7	79·1	78·6	78·1	80·2	82·7	84·4	86·2	86·7	88·5	88·7	89·2
9	81·5	81·1	80·9	80·4	79·7	78·9	79·2	80·6	82·5	84·5	85·5	86·5	87·9	87 9	88·3
10	79·6	78·9	78·2	78·0	77·9	77·6	77·2	78·3	80·9	82·5	83·4	85·5	86·5	84·8	85·2
11	79·3	79·3	79·4	79·2	79·0	78·8	78·6	79·3	81·1	83·2	81·2	84·6	85·9	86·0	86·3
12	80·4	80·3	80·4	80·3	80·1	79·7	79·7	80·0	81·6	82·9	81·6	85·4	86·4	85·9	86·6
13	78·5	78·0	78·2	78·1	77·6	77·0	**76·8**	78·3	81·5	83·0	84·6	85·2	85·8	86·3	86·6
14	79·9	79·7	79·8	79·7	78·8	78·8	78·4	79·0	81·2	82·3	84·4	85·5	86·7	87·8	87·6
15	81·1	80·8	79·9	79·3	79·1	79·3	78·5	79·6	83·3	85·4	87·2	88·4	89·6	90·3	90·4
16	81·5	79·8	79·3	79·0	78·4	77·8	77·7	80·1	82·3	84·0	85·5	86·5	87·3	87·8	87·5
17	81·2	80·4	80·1	79·0	78·7	78·2	79·4	80·3	81·4	83·0	84·3	85·5	86·2	87·4	88·0
18	80·3	79·4	78·9	78·4	78·4	78·5	79·4	80·7	82·6	83·5	84·4	85·5	86·9	88·4	88·3
19	81·0	80·7	79·9	79·3	79·0	79·0	78·8	80·0	83·1	84·9	86·0	87·5	88·2	88·7	88·1
20	81·8	81·2	81·1	80·8	80·6	80·3	80·2	81·5	83·9	85·4	86·5	87·8	89·3	88·9	89·4
21	84·0	83·8	83·8	83·3	82·9	82·9	82·3	83·0	85·8	87·0	88·2	88·1	89·2	90 7	90·4
22	83·5	83·5	83·3	82·7	82·7	82·6	82·6	83·9	85·5	86·8	87·8	88·1	88·8	90·2	90·0
23	83·3	83·1	83·0	82·5	82·7	82·2	82·1	82·6	85·4	86·8	87·0	87·9	88·7	89·2	89·1
24	83·6	83·9	83·7	83·1	82·9	82·3	81·9	82·6	84·2	85·0	86·6	88·0	88·9	89·8	89·5
25	82·5	81·6	81·2	81·9	82·0	81·0	80·8	82·3	84·4	86·2	86·6	87·9	88·4	90·1	90·1
26	82·0	81·3	81·3	82·2	82·2	82·4	82·3	83·4	85·9	87·5	87·7	89·0	90·4	90·5	90·9
27	81·5	81·2	80·8	79·8	79·7	79·0	79·4	81·2	83·4	84·5	85·7	87·3	88·5	88·4	89·7
28	81·9	81·6	81·4	81·0	80·7	80·4	80·7	81·9	83·8	85·2	86·3	87·7	88·7	89·2	89·?
29	81·8	81·3	81·3	81·0	80·7	80·4	80·5	81·9	84·4	85·9	86·9	88·9	89·9	90·0	90·1
30	82·5	82·1	82·3	82·2	81·4	81·2	81·3	82·4	85·5	87·1	89·3	90·6	91·1	**91·8**	91·7
Mean	81·7	81·3	81·1	80·8	80·5	80·2	**80·1**	81·2	83·5	85·0	86·2	87·3	88·1	88·6	**88·8**
Variation	—2·3	—2·7	—2·9	—3·2	—3·5	—3·8	**—3·9**	—2·8	—0·5	+1·0	+2·2	+3·3	+4·1	+4·6	**+4·8**

†The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

MARCH. (IN DEGREES FAHRENHEIT.)

Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
80·7	79·6	78·3	76·1	75·4	75·0	74·6	74·2	73·7	**75·9**	13 40	81·5	6 50	72·1	1
81·2	81·0	80·0	78·9	78·7	79·0	78·7	77·7	76·6	76·5	14 35	81·5	6 26	**71·0**	2
86·0	84·8	84·0	82·4	82·6	81·5	81·0	79·9	78·8	80·1	12 45	87·4	6 30	73·3	3
87·6	86·2	83·8	83·3	82·6	81·8	80·7	80·1	79·5	81·8	12 42	**92·8**	4 6	75·5	4
86·5	85·0	84·4	82·6	81·1	80·4	79·7	78·9	78·4	81·2	11 56	89·5	5 20	76·3	5
83·7	83·1	84·0	81·2	80·7	80·4	78·9	78·8	78·3	79·4	14 30	84·2	6 4	74·5	6
84·8	84·9	83·6	81·8	81·0	81·8	81·0	80·4	80·3	80·4	14 38	85·5	7 12	75·4	7
84·0	85·0	84·2	82·6	82·1	80·6	79·0	78·6	78·0	80·4	13 20	85·3	6 40	75·3	8
83·5	82·6	81·4	79·3	78·0	77·3	77·2	76·4	76·5	78·8	12 50	84·4	6 16	74·8	9
83·6	82·6	82·1	81·4	80·7	80·8	79·6	79·1	78·7	79·1	13 18	84·9	6 56	72·1	10
86·0	84·9	83·7	81·6	80·4	80·1	79·5	79·1	78·7	80·6	13 54	86·9	6 50	75·0	11
84·7	83·6	82·4	80·7	80·1	79·6	79·2	79·0	78·7	80·1	14 55	84·7	5 15	76·3	12
85·2	84·4	83·3	81·4	79·9	79·0	78·9	79·0	78·5	80·2	13 5	85·6	6 24	76·5	13
84·2	83·0	82·1	80·7	79·9	79·6	79·3	78·8	78·4	79·6	14 45	84·4	6 25	75·5	14
83·7	83·2	81·3	80·6	79·7	79·5	79·2	79·0	78·2	79·5	13 56	85·5	6 5	74·8	15
84·0	83·5	81·9	80·7	80·3	80·7	79·8	79·9	80·1	79·9	14 15	84·5	5 25	75·3	16
86·5	85·6	84·4	83·4	82·9	82·8	83·0	82·9	82·4	83·3	11 38	90·0	5 20	79·5	17
86·6	86·2	83·7	82·2	81·5	81·4	80·9	80·8	80·4	82·6	10 10	87·0	6 5	78·8	18
86·6	86·3	85·1	83·6	82·7	82·6	82·5	82·2	81·7	83·3	11 50	92·5	3 56	78·1	19
88·7	87·3	87·1	84·5	83·7	83·7	83·8	83·1	81·9	83·6	13 35	89·5	6 23	78·6	20
88·5	88·2	86·4	84·9	83·3	82·6	81·2	80·7	80·7	**85·0**	11 24	90·0	23 55	80·3	21
86·0	86·0	84·9	82·5	81·1	79·8	79·3	78·7	78·9	81·9	13 5	87·5	6 24	77·3	22
86·2	86·0	84·0	81·7	80·3	80·1	79·5	78·8	78·1	80·9	14 15	87·0	5 55	76·2	23
85·5	85·5	84·6	82·7	81·5	81·2	80·2	80·0	78·8	80·9	13 25	87·2	5 57	75·4	24
88·0	87·8	86·3	84·4	83·8	83·1	82·5	81·9	80·8	82·2	14 16	88·3	6 45	76·0	25
88·5	87·5	86·5	85·5	84·5	84·3	83·7	83·9	82·8	83·5	14 5	89·2	6 25	78·2	26
87·9	86·7	85·7	84·1	83·2	82·7	81·9	80·9	80·1	83·6	13 30	89·1	23 58	79·2	27
86·1	85·6	84·7	83·1	82·0	81·5	80·9	80·6	80·1	82·3	13 5	88·9	5 55	78·1	28
86·0	85·9	84·5	82·7	81·6	81·5	80·9	80·7	80·3	82·1	12 25	87·5	6 24	77·0	29
86·7	86·1	85·1	83·3	82·6	82·3	81·8	80·9	80·8	82·6	13 26	88·0	5 35	78·2	30
88·1	87·6	86·8	84·8	84·1	83·9	84·0	84·0	83·9	83·4	13 50	88·4	4 25	78·5	31
85·7	85·0	83·9	82·2	81·4	81·0	80·4	80·0	79·5	81·1					Mean.
+4·6	+3·9	+2·8	+1·1	+0·3	—0·1	—0·7	—1·1	—1·6						Variation.

APRIL.

88·4	87·8	86·5	85·0	84·0	83·5	83·1	83·0	82·7	84·9	13 26	89·1	5 55	81·9	1
88·5	87·4	86·5	84·8	83·8	83·3	83·0	82·8	82·6	84·5	13 55	89·4	6 5	81·1	2
89·0	87·3	86·6	84·5	83·6	83·3	83·1	83·1	82·8	84·2	15 15	89·1	6 4	81·0	3
88·3	87·1	86·2	84·3	83·3	83·2	83·0	83·0	81·9	84·8	12 58	90·3	5 5	81·1	4
88·1	87·1	86·0	84·4	83·4	83·3	83·3	83·0	82·4	84·2	13 35	89·4	5 55	80·6	5
87·5	87·1	85·8	84·2	83·3	83·0	82·5	82·5	82·0	84·1	12 30	88·5	6 4	80·4	6
88·4	87·6	85·9	84·4	82·8	82·5	81·8	81·6	80·6	83·9	13 55	89·4	6 5	79·1	7
89·2	88·3	87·4	85·4	84·0	83·2	82·2	82·1	81·7	**83·7**	14 55	89·6	6 6	78·0	8
88·2	87·4	86·0	83·8	82·3	81·6	80·9	80·3	79·4	83·1	14 15	88·5	5 35	78·7	9
84·4	83·0	83·0	81·4	80·4	80·1	79·5	79·4	79·3	**81·0**	11 28	86·1	5 58	77·1	10
86·0	85·5	84·0	82·6	81·5	81·2	81·0	80·8	80·4	82·0	13 10	86·5	6 5	78·5	11
85·8	86·2	83·8	81·9	80·5	80·1	79·4	79·4	79·0	82·1	14 45	86·7	23 55	78·7	12
85·9	85·2	84·2	82·5	81·8	81·8	81·4	81·2	80·4	81·7	12 45	87·2	5 56	76·7	13
87·7	87·6	86·9	85·2	83·1	82·6	82·4	82·0	81·3	82·9	14 45	88·3	6 22	78·2	14
90·1	90·0	88·2	86·0	84·2	83·5	82·7	82·4	81·9	84·2	15 15	90·6	6 5	78·4	15
88·4	87·4	85·9	83·9	82·7	82·1	81·8	81·8	81·3	82·9	14 36	88·4	5 23	77·5	16
87·4	87·0	85·9	84·1	82·8	82·4	81·8	81·5	80·8	82·8	14 5	88·1	5 20	78·1	17
87·8	86·6	85·5	83·5	82·4	82·0	81·8	81·7	81·2	82·8	13 10	88·5	4 25	78·2	18
88·2	87·0	85·7	84·0	83·3	82·9	82·5	82·4	82·2	83·4	12 50	88·8	6 5	78·7	19
89·9	89·3	87·6	86·2	84·7	84·2	84·5	84·5	84·4	84·7	14 44	90·0	6 3	79·9	20
91·3	90·1	88·6	86·6	85·1	84·4	84·0	83·8	83·7	**85·9**	14 30	90·8	6 45	82·1	21
90·0	88·8	87·3	85·5	84·4	84·2	83·7	83·6	83·3	85·5	13 35	90·3	5 35	82·5	22
89·8	89·8	87·7	86·0	84·8	84·1	83·6	83·6	82·8	85·3	13 48	89·9	5 50	81·9	23
89·2	89·3	87·7	85·5	84·1	83·8	83·4	83·1	82·5	85·2	14 50	90·0	5 56	81·7	24
89·9	89·2	86·5	85·2	84·4	84·2	83·7	83·3	82·8	84·8	13 45	90·4	5 55	80·5	25
90·7	89·7	88·4	85·9	84·3	83·7	83·1	82·7	82·0	85·4	13 45	91·0	3 45	81·1	26
88·9	88·3	86·3	84·8	83·8	83·5	83·0	82·7	82·1	83·9	13 40	89·8	5 25	78·9	27
89·8	87·9	86·7	84·8	84·0	83·6	83·1	82·7	82·1	84·4	14 11	89·9	5 28	79·9	28
89·7	88·8	86·7	85·0	83·6	83·4	83·2	83·3	82·6	84·6	12 56	90·3	5 16	80·2	29
90·6	89·5	88·1	86·3	85·0	84·5	84·0	83·6	82·9	85·7	13 16	**92·0**	5 36	81·0	30
88·5	87·8	86·4	84·6	83·4	83·0	82·5	82·4	81·8	84·0					Mean.
+4·5	+3·8	+2·4	+0·6	—0·6	—1·0	—1·5	—1·6	—2·2						Variation.

†The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

MAY. (IN DEGREES FAHRENHEIT.)

Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	82·9	82·7	82·7	82·0	81·2	81·1	80·9	82·3	84·2	85·3	86·8	88·4	89·4	90·2	90·8
2	83·1	82·6	81·7	81·1	80·8	80·6	80·3	82·1	84·2	85·7	87·1	88·0	88·4	90·2	90·2
3	82·9	82·5	82·5	82·3	82·0	81·9	81·6	83·0	84·6	85·9	87·3	88·1	89·3	90·1	89·7
4	82·5	82·3	82·3	82·2	82·1	81·9	81·7	83·3	84·8	86·2	87·0	87·8	88·4	89·5	90·0
5	82·3	82·1	81·8	81·5	80·8	80·7	81·0	82·6	84·7	85·5	86·2	87·8	88·0	88·9	88·8
6	81·5	81·3	81·2	80·8	80·4	79·7	79·7	81·4	82·9	83·1	85·7	87·5	88·4	89·4	89·7
7	82·3	82·2	81·9	81·7	81·1	80·4	80·2	81·9	83·5	84·9	86·3	87·9	89·2	89·8	90·1
8	82·8	82·2	81·8	81·8	81·8	81·8	81·5	82 5	84·8	85·9	87·2	87·5	88·7	89·2	89·5
9	82·2	82·0	81·9	81·7	81·8	81·8	81·2	82·0	84·0	84·2	86·8	87·7	89·2	89·5	90·0
10	82·8	82·5	81·4	81·4	81·7	81·7	81·6	82·7	84·4	85·8	86·5	88·2	88·8	89·5	89·8
11	82·9	82·6	82·5	82·3	82·1	81·9	82·1	82·6	84·5	85·2	86·6	87·7	88·1	89·2	90·8
12	82·8	82·2	82·0	81·5	81·4	81·1	81·4	83·0	84·8	84·3	86·4	88·3	89·4	89·9	90·8
13	83·2	83·0	82·9	82·8	82·8	82·8	82·7	84·6	86·4	87·9	88·5	89·2	90·0	91·0	91·0
14	84·2	83·8	83·3	82·8	82·6	82·7	83·0	85·2	87·0	87·0	88·1	89·7	90·0	90·3	90·5
15	84·3	84·1	83·7	83·7	83·7	83·4	83·0	84·6	86·5	87·8	88·3	89·1	89·9	90·2	90·6
16	84·1	83·7	83·4	83·0	82·9	82·8	83·0	83·7	85·6	86·7	88·3	89·0	89·5	90·1	90·2
17	84·3	84·1	83·7	83·7	83·5	83·5	83·6	85·5	87·0	88·3	89·4	89·6	90·9	90·9	91·1
18	84·1	83·7	83·4	83·0	82·9	82·9	82.7	84·1	85·8	86·5	88·4	89·3	90·3	91·2	91·1
19	83·5	83·3	83·0	82·7	82·5	82·5	82·3	83·4	83·7	85·5	88·1	88·9	90·2	91·1	91·4
20	83·7	83·5	83·5	83·5	83·3	83·3	83·3	84·3	85·4	87·8	88·6	89·9	89·5	90·2	90·1
21	83·4	83·1	83·0	82·9	82·5	82·2	82·2	83·6	84·7	85·4	87·7	88·9	90·0	90·8	91·1
22	83·0	82·8	82·2	81·9	81·4	81·2	81·4	84·1	86·0	87·3	88·6	88·6	90·4	91·7	92·2
23	83·6	83·5	83·0	82·8	82·0	81·7	81·4	83·8	85·1	86·2	87·9	88·4	90·7	91·8	91·4
24	83·2	83·1	82·8	82·8	82·2	82·2	81·9	83·4	84·3	85·4	87·5	88·7	89·4	90·0	90·5
25	83·5	83·3	82·9	82·7	82·5	82·1	82·7	83·8	85·0	86·7	88·0	89·1	89·9	90·6	91·1
26	84·1	83·7	83·5	83·5	83·2	83·1	83·0	84·0	86·0	86·9	88·8	89·7	90·4	90·7	90·6
27	84·6	84·2	84·1	83·7	83·7	83·6	83·6	85·1	85·6	87·4	89·4	90·8	91·2	91·5	92·0
28	84·6	84·5	83·9	83·4	83·3	83·0	83·3	84·8	86·3	87·8	89·3	90·0	91·4	91·6	92·1
29	84·5	84·5	84·2	83·9	83·8	83·4	83·5	84·7	85·8	86·6	88·8	89·7	90·3	91·1	91·2
30	84·4	84·4	84·3	84·2	83·1	82·6	82·6	84·0	86·5	87·2	88·5	89·2	91·2	91·0	91·6
31	85·0	83·9	84·5	84·1	83·9	83·9	84·0	85·0	87·0	88·1	88·8	90·0	90·4	91·3	91·1
Mean .	83·4	83·1	82·9	82·6	82·4	82·2	**82·1**	83·6	85·2	86·3	87·8	88·8	89·7	90·4	**90·7**
Variation .	—2·3	—2·6	—2·8	—3·1	—3·3	—3·5	—3·6	—2·1	—0·5	+0·6	+2·1	+3·1	+4·0	+4·7	+5·0

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1	84·5	84·1	84·0	83·7	83·1	83·0	82·5	84·0	85·3	86·8	88·0	89·1	89·7	90·5	90·4
2	83·7	83·7	83·3	83·0	82·8	82·7	82·8	84·2	85·5	87·2	87·7	88·7	89·7	89·7	90·7
3	83·8	83·7	83·3	83·0	83·0	82·6	82·6	84·0	86·1	87·3	88·4	89·1	89·7	90·2	91·3
4	84·6	84·4	84·4	84·1	84·1	84·0	84·1	85·3	87·1	88·4	89·5	90·8	91·2	91·9	91·9
5	85·1	84·7	84·5	84·4	84·2	84·2	84·2	85·1	87·1	88·3	89·4	90·8	91·5	**92·4**	92·1
6	84·8	84·7	84·7	84·7	84·3	84·3	84·2	85·3	86·8	88·2	89·5	90·8	91·4	91·6	91·1
7	84·7	84·7	84·7	84·7	84·6	84·2	84·1	85·2	86·4	88·4	89·1	89·4	89·5	90·1	91·1
8	85·3	85·2	85·0	84·7	84·5	84·5	84·5	84·8	86·8	88·0	89·4	90·2	91·3	91·7	92·2
9	85·2	84·9	84·8	84·7	84·5	84·3	84·4	84·9	86·7	87·9	88·8	88·7	88·8	89·1	89·9
10	85·8	85·5	85·2	85·2	85·0	84·8	84·7	86·2	87·2	88·5	89·2	90·4	91·1	91·6	92·1
11	85·6	85·3	85·2	84·9	84·8	84·8	84·4	85·2	86·7	86·3	88·1	88·2	87·4	89·0	90·0
12	83·3	82·4	81·4	80·7	80·8	80·7	81·1	81·1	81·9	78·0	79·2	81·4	80·8	81·6	82·9
13	82·3	81·6	81·0	80·3	80·2	80·1	80·1	81·2	83·3	85·1	82·2	83·7	85·1	85·3	85·2
14	83·1	82·6	82·6	82·1	81·6	80·6	80·8	82·1	83·3	84·8	85·1	84·2	84·2	84·9	85·9
15	81·6	81·7	81·2	80·8	80·5	80·1	80·5	81·1	83·1	83·3	84·2	85·4	86·7	86·0	87·2
16	79·8	79·7	79·9	80·0	80·1	79·3	79·1	78·8	80·1	81·9	83·6	84·2	85·7	86·8	84·8
17	79·6	79·3	79·5	79·0	79·1	78·6	78·2	79·0	80·1	79·0	79·0	80·8	81·8	79·6	82·7
18	79·4	79·9	80·2	79·9	80·8	80·7	80·4	80·7	78·9	81·1	79·7	80·0	78·3	78·3	78·8
19	78·2	78·0	81·4	81·8	82·1	82·1	82·6	82·6	83·4	84·7	85·4	85·8	87·3	87·1	87·7
20	83·8	83·4	83·4	83·1	83·3	83·1	83·2	83·8	85·2	86·2	87·2	87·7	87·7	87·7	88·4
21	83·7	83·3	83·3	83·2	83·1	83·2	83·4	84·0	84·9	86·0	86·6	87·6	88·0	87·5	87·4
22	83·4	83·0	83·6	83·2	83·3	83·2	83·0	83·4	85·2	85·6	87·1	87·8	88·6	88·9	89·6
23	83·7	83·5	83·4	83·2	82·0	82·0	82·2	83·2	85·2	82·3	80·2	84·3	86·7	88·0	88·2
24	83·6	83·5	82·9	82·8	83·1	83·2	83·2	83·5	84·2	85·2	86·5	87·2	87·8	87·4	87·5
25	81·6	82·4	82·7	82·3	81·0	81·6	82·3	83·0	84·1	85·2	86·1	87·2	87·7	87·8	87·8
26	79·3	82·2	82·2	82·4	82·8	82·9	81·4	83·1	84·2	85·5	86·2	81·9	84·8	81·4	84·2
27	82·2	82·4	82·7	82·4	82·8	81·4	83·0	83·5	84·5	84·4	85·3	84·6	85·1	85·3	86·9
28	83·6	83·6	83·3	83·1	82·9	82·8	83·0	83·5	84·5	84·8	86·2	86·7	87·3	87·6	87·3
29	83·4	83·3	83·2	83·1	83·1	83·0	82·3	83·0	84·5	85·1	85·0	85·8	86·4	87·2	87·3
30	82·7	83·4	83·0	83·1	83·1	83·0	83·1	83·3	84·6	85·3	86·1	87·3	87·1	87·4	87·9
31															
Mean .	83·0	83·0	83·0	82·8	82·7	**82·5**	82·5	83·3	84·6	85·3	85·9	86·7	87·3	87·5	**88·0**
Variation .	—1·7	—1·7	—1·7	—1·9	—2·0	**—2·2**	—2·2	—1·4	—0·1	+0·6	+1·2	+2·0	+2·6	+2·8	+3·3

† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

MAY. (IN DEGREES FAHRENHEIT.)

Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
90·4	89·8	88·4	86·2	85·1	84·8	84·3	83·7	83·4	85·3	14 46	91·0	5 45	80·5	1
89·9	89·0	87·8	86·1	84·5	84·2	83·6	83·3	83·1	84·9	12 38	90·5	5 56	80·2	2
89·6	88·7	87·5	86·2	84·4	83·9	83·7	83·4	82·9	85·1	13 24	90·6	5 50	81·5	3
89·8	88·6	87·3	84·8	83·6	83·1	82·8	82·3	82·2	84·9	14 25	90·5	5 45	81·6	4
88·8	87·5	86·1	84·1	82·9	82·6	82·1	81·9	81·7	84·2	12 38	89·5	5 31	80·5	5
88·8	88·3	86·2	84·6	83·5	83·1	82·9	82·9	82·6	**84·0**	13 30	89·9	5 36	**79·5**	6
88·8	87·7	86·2	85·0	84·4	84·1	83·7	83·5	83·0	84·6	13 4	90·2	5 35	80·1	7
88·0	87·5	86·6	84·5	83·4	82·7	82·4	82·6	82·3	84·5	14 5	89·6	6 4	81·4	8
90·0	89·3	88·1	86·4	84·9	84·5	84·0	83·6	83·1	85·0	13 45	90·3	5 56	81·1	9
89·4	89·0	88·1	86·0	84·9	84·3	83·9	83·6	83·3	85·1	14 16	90·5	2 10	81·3	10
90·6	89·3	87·7	85·7	84·6	83·8	83·8	83·5	83·1	85·1	14 15	91·0	5 37	81·6	11
90·6	89·9	87·7	85·7	84·7	84·3	84·1	83·6	83·3	85·1	14 6	91·1	5 30	81·0	12
91·0	90·3	89·4	87·5	86·4	85·8	85·2	84·8	84·6	86·4	13 46	91·5	5 30	82·4	13
90·7	90·3	89·0	87·2	85·9	85·3	85·0	84·5	84·5	86·4	14 30	91·5	4 20	82·5	14
90·0	89·7	88·3	86·8	85·6	85·1	84·7	84·7	84·4	86·3	13 30	91·5	5 40	82·5	15
89·8	89·0	88·1	86·4	85·8	85·5	85·2	84·8	84·6	86·1	12 40	90·6	4 29	82·7	16
90·8	90·6	88·5	86·5	85·8	85·5	85·3	84·9	84·7	86·7	14 50	91·6	4 28	83·4	17
91·2	90·5	88·9	87·2	85·7	85·0	84·7	84·3	83·9	86·3	13 48	91·4	5 28	82·5	18
91·7	90·3	88·8	86·6	85·3	84·6	84·3	84·0	84·0	85·9	14 48	91·9	5 45	82·2	19
89·2	88·9	87·0	85·3	84·5	84·1	83·8	83·6	83·5	85·8	14 21	90·5	5 30	83·1	20
91·7	90·2	88·7	86·9	85·9	85·2	84·7	84·3	83·6	85·9	14 56	91·8	5 30	82·1	21
92·4	90·3	88·8	86·9	85·8	85·3	84·6	84·4	84·2	86·1	14 20	**92·6**	5 15	81·1	22
91·4	90·7	89·1	86·2	85·2	84·5	84·1	83·7	83·3	85·9	13 15	92·1	5 55	81·2	23
90·5	90·0	88·9	87·1	85·6	85·0	84·3	84·1	83·8	85·7	14 50	90·8	5 56	81·7	24
90·7	89·8	88·4	86·3	85·5	85·0	84·5	84·2	84·2	85·9	13 45	91·5	4 55	81·9	25
90·9	90·1	88·8	87·1	86·0	85·4	85·0	84·8	84·7	86·4	13 25	91·0	5 25	82·9	26
91·6	90·7	88·4	87·0	86·0	85·8	85·5	85·1	84·9	86·9	13 55	92·4	5 28	83·3	27
92·0	91·3	89·4	87·8	86·9	86·2	86·0	85·4	85·0	**87·1**	14 5	92·5	5 24	82·9	28
90·8	90·5	89·4	87·7	86·8	86·3	85·8	85·2	84·7	86·8	14 15	91·5	5 30	83·3	29
91·6	90·3	90·0	88·1	86·9	86·2	85·7	85·4	85·3	86·8	14 15	91·8	5 35	82·4	30
91·1	90·9	89·3	88·0	86·4	85·7	85·3	84·9	84·6	87·0	13 54	91·6	4 28	83·7	31
90·4	89·6	88·2	86·4	85·3	84·7	84·4	84·0	83·8	85·7					Mean.
+4·7	+3·9	+2·5	+0·7	—0·4	—1·0	—1·3	—1·7	—1·9						Variation.

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90·4	89·7	89·0	86·7	85·7	84·9	84·4	84·3	84·0	86·2	13 50	91·4	6 16	82·4	1
90·6	89·7	88·4	86·8	85·6	85·0	84·7	84·2	84·1	86·0	14 20	91·0	5 15	82·4	2
90·6	91·0	89·6	87·3	86·3	85·8	85·5	85·0	84·8	86·4	14 15	91·6	5 35	82·3	3
91·9	91·1	89·9	88·0	86·7	86·1	85·9	85·6	85·3	87·3	15 5	92·6	5 18	83·6	4
91·9	91·1	89·2	87·4	86·0	85·7	85·3	85·3	85·2	87·3	12 56	**93·1**	4 40	84·1	5
91·3	90·2	89·2	87·7	86·4	85·9	85·4	85·2	84·9	87·2	15 10	92·0	4 24	84·1	6
91·4	90·9	89·5	87·7	86·3	85·9	85·5	85·2	85·3	87·0	14 16	92·4	5 26	84·0	7
92·0	91·1	89·9	88·1	86·9	86·3	85·9	85·9	85·3	87·5	14 36	92·5	3 55	84·4	8
90·3	90·5	90·2	88·4	87·1	86·9	86·7	86·2	86·1	87·1	13 28	91·5	5 38	84·2	9
92·4	91·3	90·3	88·6	87·5	86·9	86·4	86·2	85·8	**87·8**	15 5	92·5	5 20	84·5	10
89·8	88·9	84·6	84·3	83·8	84·5	84·5	85·2	84·6	86·1	13 56	90·2	16 30	83·0	11
77·1	78·7	81·3	82·2	82·3	82·6	82·6	82·9	82·3	81·2	14 35	83·4	15 6	77·1	12
85·4	85·2	85·2	84·8	84·0	84·0	83·3	83·4	83·2	83·1	14 35	87·4	5 30	80·0	13
86·8	86·3	85·7	84·4	83·4	83·2	83·3	82·6	82·0	83·6	14 57	87·2	5 23	80·5	14
86·6	86·5	86·2	84·5	83·2	83·4	83·5	81·9	80·5	83·3	14 4	87·4	23 47	80·0	15
84·6	82·6	81·4	79·5	77·7	79·9	79·5	79·8	79·2	81·2	13 5	87·3	19 5	77·6	16
81·6	79·7	80·7	80·3	81·2	80·6	80·6	80·8	80·9	80·1	14 15	83·0	7 46	78·1	17
78·7	79·5	78·5	76·9	**76·7**	77·2	76·9	77·7	78·0	**79·1**	9 45	82·5	18 36	**76·6**	18
87·4	87·3	85·9	85·3	84·8	84·6	84·2	84·2	83·8	84·1	13 40	87·8	0 30	77·9	19
88·1	85·6	84·6	84·3	84·1	83·9	83·9	83·9	83·5	85·0	12 35	88·6	6 5	83·0	20
88·1	86·6	86·5	86·0	85·0	84·6	84·3	84·2	83·8	85·2	15 15	88·5	3 50	82·9	21
89·2	89·1	88·1	86·9	85·2	85·0	84·7	84·4	83·7	85·6	14 6	89·7	0 40	82·9	22
88·0	87·6	87·3	86·1	85·1	84·5	83·6	83·8	83·7	84·5	14 10	88·6	9 52	79·9	23
87·4	87·5	86·2	85·3	84·4	84·3	83·8	83·8	79·3	84·7	11 58	88·2	23 22	79·2	24
88·0	87·2	86·4	85·2	84·8	84·3	84·0	83·9	83·5	84·6	14 40	88·2	4 15	78·7	25
82·7	79·5	77·6	82·1	82·7	80·9	82·5	83·0	82·1	82·4	10 15	86·6	16 50	76·9	26
86·7	86·2	85·7	85·2	84·7	84·3	84·2	83·9	83·7	84·2	14 6	87·0	4 56	81·4	27
87·0	86·8	85·9	82·2	83·4	83·7	83·7	83·5	83·3	84·6	12 54	88·0	17 56	82·1	28
87·2	86·9	86·5	85·2	84·5	83·4	83·7	83·7	83·7	84·6	13 35	88·0	5 36	82·2	29
87·6	87·3	86·6	85·7	82·9	83·6	84·0	84·0	83·8	84·8	13 45	88·6	2 10	82·6	30
87·7	87·1	86·2	85·1	84·3	84·1	83·9	83·8	83·3	84·7					Mean.
+3·0	+2·4	+1·5	+0·4	—0·4	—0·6	—0·8	—0·9	—1·4						Variation.

†The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

JULY. (IN DEGREES FAHRENHEIT.)

Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	83·7	83·6	83·4	83·2	81·1	81·9	83·0	83·1	83·0	84·4	85·2	86·6	86·7	**86·9**	86·9
2	83·3	83·6	83·8	83·7	83·7	83·3	82·3	82·9	83·6	84·7	82·8	83·1	82·2	79.9	81·2
3	80·8	81·2	80·7	80·3	80·4	80·4	80·8	81·3	82·0	79·5	80·4	80·3	81·4	81·8	81·5
4	81·4	80·8	81·1	80·9	81·2	81·2	81·2	81·4	81·7	83·8	86·2	85·1	82·8	84·1	85·2
5	82·5	82·5	80·6	81·1	81·8	81·6	81·8	81·5	82·0	82·4	84·3	85·1	83·1	83·9	83·8
6	79·3	79·0	79·3	79·2	79·0	79·3	78·6	79·3	80·2	81·6	82·8	83·6	84·2	84·2	83·6
7	78·1	78·1	78·5	78·9	79·2	79·2	76·4	76·9	76·4	77·3	77·6	77·4	76·9	76·5	77·2
8	78·9	78·4	78·9	78·7	77·9	78·1	77·0	78·1	78·6	79·9	82·9	82·3	77·6	79·5	77·9
9	78·1	78·3	78·4	77·9	76·9	76·4	76·1	77·0	76·4	76·9	78·1	77·8	77·1	78·1	79·1
10	76·8	76·6	76·5	76·1	76·0	75·8	75·5	76·2	75·7	76·3	76·6	77·1	78·7	78·2	76·2
11	80·8	80·8	81·2	81·2	80·0	80·5	81·2	80·9	81·6	82·3	82·8	83·3	84·2	85·0	84·9
12	80·5	82·0	82·3	82·5	82·3	82·3	81·4	81·9	81·5	83·5	83·7	84·2	83·7	84·4	82·8
13	82·6	82·5	82·4	81·2	82.2	81·5	80·8	82·0	81·4	82·8	83·9	84·4	85·1	84·3	84·4
14	81·2	82·2	82·2	80·6	81·7	82·0	82·0	81·7	81·7	81·5	81·9	81·9	82·8	83·2	83·6
15	82·0	82·0	82·2	82·2	82·2	81·6	81·8	80·7	81·2	82·9	83·3	83·8	83·3	84·4	84·8
16	81·6	81·4	81·4	81·1	81·8	80·6	81·2	80·9	82·2	82·9	83·0	83·6	84·3	85·0	84·1
17	82·2	82·0	80·3	80·3	81·5	80·5	81·3	81·7	82·8	83·3	83·1	81·9	82·8	83·1	83·7
18	82·1	81·9	77·7	78·0	80·2	80·9	80·3	81·2	81·6	82·9	82·6	81·6	83·3	83·4	83·9
19	81·4	80·6	81·1	80·8	81·2	81·4	80·7	81·1	82·3	82·8	84·1	83·9	84·3	84·3	84·7
20	81·2	80·4	80·8	80·6	80·8	80·8	81·4	81·7	82·5	83·5	83·9	83·7	83·7	84·1	83·3
21	81·5	81·5	81·4	81·3	81·2	81·2	81·3	81·3	82·0	82·1	83·0	82·8	82·1	83·0	83·4
22	81·4	81·3	81·1	81·1	81·2	81·2	81·2	81·1	82·1	82·2	82·7	83·3	83·6	82·4	81·8
23	81·6	81·4	81·3	81·3	81·3	81·1	81·2	81·3	82·6	83·4	84·2	84·5	85·4	84·7	86·1
24	79·2	79·8	80·2	81·1	81·5	81·7	81·5	81·7	82·0	83·0	82·9	83·4	83·0	82·9	83·9
25	81·1	81·4	81·4	81·7	81·7	81·8	81·8	82·2	82·2	82·9	83·3	83·9	83·7	84·1	81·5
26	81·1	80·9	80·8	80·3	80·7	80·7	80·9	80·9	82·0	82·3	83·1	83·6	83·3	83·1	82·9
27	80·5	81·1	81·4	80·7	81·4	81·6	81·3	81·4	78·5	78·9	79·1	79·8	82·3	82·9	83·3
28	80·7	81·1	81·2	80·3	80·6	80·7	80·3	81·1	81·7	82·3	82·8	83·0	83·8	84·1	83·8
29	79·2	80·4	81·0	80·8	81·1	80·8	81·0	81·5	81·7	82·2	83·1	83·1	83·5	79·1	82·6
30	81·3	79·5	80·4	80·3	80·0	80·6	80·8	81·1	81·6	81·5	81·5	81·8	83·0	83·4	83·4
31	79·3	79·3	79·6	79·8	79·8	79·8	80·0	80·5	81·7	82·4	81·0	83·0	84 3	84·7	84·8
Mean	80·8	80·8	80·7	80·6	80·7	80·7	80·5	80·8	81·2	81·8	82·4	82·7	82·8	**82·9**	82·9
Variation.	—0·7	—0·7	—0·8	—0·9	—0·8	—0·8	—1·0	—0·7	—0·3	+0·3	+0·9	+1·2	+1·3	+1·4	+1·4

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1	81·2	81·1	81·1	80·4	80·8	80·8	80·5	80·3	81·5	83·1	83·0	82·6	81·4	77·5	81·6
2	80·6	80·5	80·4	80·4	80·1	80·3	80·3	79·5	80·3	81·2	82·1	81·2	80·8	83·0	81·5
3	81·0	80·6	80·8	80·6	80·7	80·9	80·3	79·7	79·7	80·9	80·9	81·5	82·7	81·9	80·8
4	80·4	80·2	80·1	80·0	80·3	80·1	80·4	80·6	78·9	81·1	80·8	80·8	82·2	81.1	80·6
5	80·9	80·9	80·6	80·8	80·8	80·8	80·4	80·9	80·7	82·1	81·9	83·9	83·0	83·0	82·9
6	79·5	79·8	79·8	79·0	79·2	79·3	80·0	79·8	80·4	80·8	80·7	80·8	82·3	81·9	82·2
7	79·3	78·7	79·0	79·0	78·3	78·7	79·2	80·0	81·1	81·8	82·9	83·7	84·7	84·5	85·0
8	79·8	80·0	80·6	80·6	80·4	80·5	80·3	80·7	81·8	81·8	82·0	82·5	83·3	83·7	84·4
9	80·9	80·9	80·8	80·8	80·9	81·0	80·9	81·2	81·5	82·1	82·3	83·3	84·5	83·9	84·0
10	81·2	81·1	80·8	80·8	80·8	80·8	80·8	81·0	81·2	81·8	83·4	84·4	84·8	84·8	84·5
11	81·3	80·8	80·9	79·8	80·1	80·7	80·6	80·5	80·9	82·5	83·3	83·9	84·4	85·1	85·3
12	81·0	80·8	80·0	80·4	80·5	80·7	80·8	81·1	81·7	82·8	84·1	84·2	85·2	85·4	84·7
13	81·0	80·9	80·8	80·6	80·6	80·7	80·8	81·1	82·2	82·8	84·1	85·0	84·9	84·7	85·1
14	80·4	79·8	80·5	80·6	80·8	80·8	80·7	79·0	78·2	79·7	81·8	82·6	84·2	84·8	85·2
15	81·1	80·9	80·6	80·4	80·5	80·4	80·5	80·8	82·0	82·7	83·7	84·3	82·4	83·9	84·7
16	80·9	80·8	80·6	80·4	80·2	80·0	78·5	80·3	82·0	82·5	83·9	84·4	84·9	85·5	85·6
17	79·9	80·3	80·4	80·4	80·6	80·3	79·9	80·1	81·4	82·3	81·3	82·2	83·7	84·5	84·8
18	80·5	80·6	80·6	80·8	80·4	80·6	80·6	80·8	82·2	83·6	84·2	85·2	85·6	83·1	84·5
19	80.1	80·7	80·8	80·8	81·1	81·0	80·4	81·1	81·9	83·3	83·3	82·5	81·8	81·2	83·0
20	78·9	78·8	78·7	78·5	78·6	78·6	78·8	78·8	80·9	82·0	82·3	82·2	84·4	85·4	85·9
21	80·4	80·3	80·2	80·7	79·1	79·8	79·4	80·3	80·9	82·7	84·0	83·3	83·4	83·8	85·2
22	80·3	78·9	**78·4**	**78·4**	**77**·6	78·3	78·4	78·9	79·8	80·8	81·6	81·9	82·2	83·9	85·2
23	77·8	77·2	76·7	**76·7**	76·8	76·8	76·5	77·0	78·3	79·5	81·1	82·4	83·9	84·5	85·2
24	79·6	79·1	78·7	78·1	78·0	77·8	77·9	78·3	78·9	78·0	79·1	79·8	81·0	82·4	81·0
25	80·0	79·8	79·7	79·7	79·5	79·7	79·7	80·1	80·4	81·5	83·1	82·6	83·8	84·5	85·3
26	80·3	80·3	79·1	79·2	80·0	79·8	80·1	80·6	81·0	78·6	79·0	78·9	78·9	81·5	80·7
27	78·4	79·1	79·2	79·5	79·6	78·2	78·5	79·0	79·0	78·9	75·9	**75·4**	76·5	75·8	76·2
28	79·5	79·5	79·8	79·7	79·8	79·7	79·8	78·2	77·2	77·7	76·7	76·9	77·7	77·5	79·3
29	77·6	78·9	77·9	78·1	78·1	77·0	78·4	78·3	77·5	77·8	78·3	77·4	79·6	78·9	78·9
30	78·3	78·1	78·3	78·2	75·6	76·6	77·1	77·0	78·9	79·7	80·3	79·9	79·6	79·8	80·2
31	78·2	78·9	79·1	78·9	79·1	79·0	79·3	79·5	80·2	80·6	81·0	81·9	81·5	81·4	81·1
Mean	80·0	79·9	79·8	79·8	79·6	79·7	79·7	79·8	80·4	81·2	81·7	82·0	82·5	82·7	**83·1**
Variation.	—0·9	—1·0	—1·1	—1·1	—1·3	—1·2	—1·2	—1·1	—0·5	+0·3	+0·8	+1·1	+1·6	+1·8	+2·2

† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

JULY. (IN DEGREES FAHRENHEIT.)

Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
86·1	85·7	85·5	85·2	84·5	84·4	84·3	84·1	84·1	**84·4**	12 40	**87·6**	3 45	80·6	1
82·3	82·0	82·0	81·2	81·8	78·9	79·4	80·8	80·8	82·2	9 16	85·5	19 56	78·8	2
82·8	82·7	83·7	82·9	82·5	82·2	82·0	81·2	81·4	81·4	16 40	84·2	9 48	79·4	3
85·6	85·4	84·4	84·1	83·3	83·1	82·8	82·9	82·8	83·0	15 18	86·5	1 5	80·7	4
83·8	83·8	83·8	82·3	81·1	80·7	80·0	79·2	79·3	82·2	11 33	85·5	21 55	79·1	5
83·5	82·3	81·1	80·9	78·4	76·7	77·2	78·0	78·1	80·4	12 24	84·8	19 56	76·7	6
77·6	77·7	78·3	78·7	79·0	79·9	79·9	80·3	79·2	78·1	22 10	80·5	5 16	76·4	7
79·3	80·7	80·6	80·2	78·0	76·0	75·8	77·2	78·2	78·7	10 56	82·5	20 14	75·6	8
78·2	76·3	**75·3**	76·3	77·0	78·7	76·5	76·2	76·8	**77·2**	14 5	79·6	16 36	**75·2**	9
77·3	76·6	77·2	79·9	78·9	80·6	80·8	80·8	80·8	77·5	23 45	80·9	5 54	75·5	10
84·7	84·3	82·8	82·5	82·6	82·6	82·8	79·8	81·9	82·3	14 15	85·5	21 54	78·6	11
83·6	83·3	83·7	82·6	82·8	82·9	83·0	82·8	82·4	82·7	13 8	84·6	7 35	80·3	12
84·3	83·9	83·7	82·7	82·7	82·7	82·6	81·9	81·9	82·8	12 5	85·3	7 45	80·2	13
83·4	83·0	82·2	82·6	82·4	82·5	82·4	82·3	82·4	82·2	14 18	83·9	10 35	80·2	14
84·5	84·2	84·2	83·1	82·4	82·1	82·0	82·1	81·9	82·7	14 10	85·5	6 56	80·5	15
83·9	83·1	83·1	82·6	81·9	82·0	82·0	81·9	82·0	82·4	13 40	85·5	6 30	80·4	16
83·3	81·0	81·4	82·3	82·3	82·1	81·8	81·8	81·2	82·0	14 15	84·5	1 45	80·3	17
84·5	83·9	82·8	82·6	82·3	81·8	81·8	80·6	81·2	81·7	15 15	84·7	2 5	77·6	18
82·5	83·3	82·8	82·1	81·4	81·2	81·1	81·6	80·9	82·1	13 20	85·0	0 54	80·4	19
83·4	83·8	82·0	82·3	82·1	82·0	8·18	81·9	81·7	82·2	13 20	84·5	0 54	80·4	20
83·3	83·0	82·6	81·8	81·4	81·4	80·8	81·5	81·5	81·9	15 30	83·9	6 18	80·7	21
82·0	81·9	81·9	81·8	81·7	81·7	81·6	81·4	81·4	81·8	11 56	84·4	1 45	81·0	22
81·6	84·4	83·9	83·3	82·3	79·3	81·1	79·7	79·7	82·5	14 5	86·5	23 15	78·9	23
83·9	82·8	81·4	81·6	81·5	80·9	80·8	80·4	80·8	81·7	12 28	84·9	1 38	79·0	24
82·7	81·2	81·9	81·3	81·3	81·1	81·2	80·9	81·0	82·0	13 30	85·0	21 6	80·4	25
81·5	82·0	83·0	81·9	80·7	81·5	81·5	81·1	81·2	81·7	12 16	84·5	23 27	79·5	26
83·3	82·2	81·6	81·9	81·7	81·6	81·6	81·4	81·5	81·3	14 26	83·5	8 30	78·3	27
83·3	82·7	82·5	82·1	81·6	79·8	81·0	81·3	80·9	81·8	13 18	84·2	2 38	79·7	28
82·9	83·0	82·5	82·2	81·7	81·7	81·7	81·6	81·6	81·7	11 19	83·6	12 40	79·0	29
82·9	82·3	82·2	81·3	81·2	80·6	81·0	80·8	80·2	81·4	13 56	83·7	23 35	78·6	30
84·2	83·9	83·3	82·0	81·7	81·6	81·1	81·4	81·2	81·7	13 10	84·9	0 15	78·7	31
82·9	82·5	82·2	81·9	81·4	81·0	81·1	80·9	80·9	81·5					Mean.
+1·4	+1·0	+0·7	+0·4	—0·1	—0·5	—0·4	—0·6	—0·6						Variation.

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82·0	82·0	81·6	81·2	80·3	80·8	80·3	80·0	80·3	81·1	9 10	83·5	12 58	77·4	1
83·0	82·1	82·2	81·5	81·5	81·2	80·6	80·7	80·9	81·1	13 30	83·5	3 5	78·5	2
81·9	81·2	81·6	79·5	80·6	80·2	80·3	80·7	80·4	80·8	11 33	83·5	7 26	79·3	3
82·0	81·5	81·5	81·1	80·8	80·8	80·8	80·8	80·6	80·7	12 24	82·5	7 46	78·5	4
82·7	82 5	81·9	80·6	81·8	80·0	78 3	79·6	79·0	81·2	11 40	84·5	20 55	78·2	5
80·9	81·7	81·7	80·3	81·1	81·0	80·8	80·6	78·5	80·5	14 16	82·5	22 56	78·4	6
84·2	84·0	83·7	82·3	81·6	80·7	80·1	80·6	80·2	81·4	14 18	85·4	1 15	78·1	7
83·6	83·1	82·5	81·9	81·5	81·4	80·9	81·1	81·1	81·6	11 34	84·6	3 20	79·7	8
83·1	83·0	82·3	81·9	81·6	81·0	81·0	81·2	81·0	81·9	12 20	84·6	2 20	80·4	9
84·3	83·4	83·1	82·6	81·9	81·7	81·7	81·6	81·5	82·3	12 36	85·5	2 6	80·6	10
85·0	84·6	83·6	82·6	82·2	81·8	81·5	81·2	81·1	82 2	14 22	85·6	3 28	79·2	11
84·6	83·1	83·1	82·6	82·0	81·7	81·6	81·4	81·2	82·3	13 18	85·6	1 56	79·9	12
84·1	83 6	83·1	82·6	82·1	81·9	81 2	81·3	80·9	82·3	11 24	85·6	3 15	80·5	13
85·0	84·3	83·3	82·3	81·9	81·2	81·2	81·1	81·1	81·7	14 33	85·5	8 24	78·0	14
83·9	83·6	82·8	81·4	81·5	81·2	80·8	80·9	80·9	81·9	13 56	85·1	2 36	80·3	15
85·3	84·5	83·6	82·7	81·9	81·4	81·2	81·2	81·2	82 2	13 55	85·8	6 4	78·4	16
84·6	84·4	83·6	82·7	82·2	82·1	81·1	79·4	79·7	81·7	13 32	85·3	22 22	79·2	17
85·8	85·2	84·1	82·7	82·0	81·8	81·5	81·8	81·2	**82·5**	15 26	86·0	4 15	80·1	18
83·7	83·2	82·0	81·2	80·8	80·6	80·1	80·0	79·2	81·4	9 46	84·1	22 45	79·1	19
86·1	85·9	84·9	83·3	82·1	81·5	81·2	80·5	80·5	81·6	15 10	86·5	2 46	78·4	20
85·5	83·7	83·1	82·5	82·2	82·0	82·0	81·5	81·0	81·9	14 55	86·0	4 16	79·0	21
83·1	82·4	82·5	82·1	82·0	82·0	80·9	80·3	79·3	80·8	14 6	85·5	4 19	77·5	22
85·8	84·8	83·5	82·3	82·1	80·6	80·2	79·9	79·6	80·4	15 12	86·0	2 32	76·4	23
81·7	81·4	82·2	80·8	80·7	80·4	80·4	80·2	80·0	79·8	13 5	82·5	4 35	77·7	24
83·4	84·5	83·3	81·9	81·1	80·9	80·8	80·6	80·4	81·5	14 24	85·5	4 25	79·4	25
79·2	80·2	78·9	77·3	78·6	76·6	77·8	77·2	78·7	79·3	12 54	81·8	20 25	75·5	26
75·9	76·7	76·8	77·0	77·8	77·0	78·6	79·7	79·6	77·8	3 55	79·9	10 46	**75·2**	27
77·7	77·8	77·5	77·3	76·4	77·1	77·7	76·8	76·6	78·1	6 40	80·5	22 40	76·0	28
77·6	76·8	77·2	77·9	78·1	78·3	**78·1**	78·5	78·5	78·1	12 24	79·8	7 16	76·2	29
80·5	78·7	79·2	78·7	77·9	78·6	78·8	78·9	78·9	78·7	14 38	80·8	4 5	75·5	30
81·9	81·9	80·9	80·5	80·0	79·7	79·3	79·5	79·4	80·1	16 6	82·5	0 28	78·1	31
82·8	82·4	81·9	81·1	80·9	80·6	80·3	80·3	80·1	80·9					Mean.
+1·9	+1·5	+1·0	+0·2	0·0	—0·3	—0·6	—0·6	—0·8						Variation.

† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	79·4	79·3	79·4	79·3	79·4	79·4	76·3	76·7	78·6	78·9	80·2	81·8	83·0	83·1	82·6
2	79·4	78·3	78·8	78·4	78·9	78·8	78·8	79·0	81·1	81·9	82·4	81·5	82·8	84·1	83·0
3	79·1	78·7	78·6	78·6	78·3	78·5	78·0	78·4	79·1	78·4	78·3	80·0	82·4	82·9	83·5
4	77·9	78·3	78·8	78·9	78·8	78·4	78·9	79·0	80·1	80·6	81·7	83·0	83·3	83·5	83·1
5	79·3	79·8	79·8	79·8	80·0	79·8	79·7	80·1	81·5	82·2	82·8	83·3	83·7	78·3	78·2
6	77·3	77·2	77·0	77·2	78·2	77·9	78·3	78·2	80·3	81·0	82·2	82·9	80·3	79·2	82·0
7	79·3	79·2	78·6	78·2	76·9	77·0	77·3	77·2	77·9	77·5	77·9	77·5	78·1	78·0	77·7
8	78·2	78·2	76·5	76·4	76·4	76·3	76·8	77·7	79·5	81·0	80·6	79·9	82·1	83·1	83·9
9	78·9	78·8	79·5	79·5	79·3	79·2	79·3	79·5	79·6	78·6	79·8	82·1	83·2	83·5	84·1
10	78·6	77·8	78·5	78·5	78·6	78·4	77·9	79·3	79·9	81·6	82·4	83·2	83·7	84·3	84·6
11	78·9	75·7	75·5	76·9	78·3	78·3	76·5	77·3	78·5	78·4	79·1	81·4	79·8	80·0	76·8
12	76·0	75·6	75·9	76·3	76·6	76·3	76·4	76·9	78·8	80·4	80·2	77·8	80·6	81·2	81·9
13	77·6	77·3	77·7	75·8	76·4	76·8	76·8	77·7	78·3	79·4	81·1	81·9	83·0	83·3	83·7
14	78·2	78·0	78·2	78·3	78·6	78·6	78·6	79·1	80·5	81·9	82·4	83·4	83·6	81·1	83·3
15	78·8	78·9	79·1	78·8	78·2	78·5	78·7	77·7	79·5	80·6	81·8	82·7	81·9	83·3	83·8
16	76·5	75·8	75·8	76·0	76·2	76·6	76·1	75·9	77·6	79·0	80·5	81·8	82·1	82·8	83·3
17	78·4	78·2	78·3	78·2	78·3	78·1	77·3	77·9	78·7	80·4	81·5	82·4	83·0	83·3	83·9
18	79·3	79·1	79·0	79·1	79·1	77·2	77·3	78·2	77·6	78·0	78·7	78·5	79·6	79·7	80·3
19	78·3	78·2	78·5	78·2	78·3	78·2	78·4	79·2	79·9	80·6	81·9	82·9	83·2	83·5	84·2
20	77·9	77·9	77·5	77·2	77·7	77·2	77·2	77·4	78·2	79·1	81·0	82·2	82·9	84·3	84·4
21	77·7	77·5	77·5	77·4	77·9	77·7	77·1	76·7	77·7	78·8	80·1	80·9	81·5	82·4	83·0
22	78·9	79·2	78·2	77·9	78·0	78·2	78·3	78·9	80·0	80·8	82·4	80·6	81·4	83·6	84·2
23	80·1	79·7	79·7	79·5	79·4	79·3	79·5	80·4	81·0	82·6	82·6	81·8	82·3	84·1	85·3
24	81·4	81·4	81·5	80·9	80·8	80·6	78·6	78·3	78·7	79·3	80·2	81·1	81·6	82·4	85·7
25	77·3	76·8	76·2	76·6	77·1	76·7	76·2	77·0	78·8	80,7	82·2	83·8	84·7	84·8	85·6
26	80·5	79·3	79·0	79·0	79·1	79·0	78·9	78·9	79·8	80·7	81·4	82·2	83·3	84·8	85·7
27	77·5	77·8	78·0	77·6	77·4	77·4	77·3	78·6	79·6	79·9	79·9	80·9	82·0	81·2	82·0
28	77·2	77·0	76·2	76·3	77·0	76·4	74·8	74·8	75·5	76·5	77·6	78·6	79·8	81·2	82·1
29	79·0	78·7	78·9	78·4	77·9	77·8	77·4	77·8	79·0	81·0	81·6	81·8	82·3	82·6	83·3
30	78·4	78·1	78·0	77·3	77·1	76·8	76·5	77·2	78·8	80·6	81·7	81·9	82·3	82·4	83·1
Mean .	78·5	78·2	78·1	78·0	78·1	78·0	77·6	78·0	79·1	80·0	80·9	81·5	82·1	82·4	82·8
Variation .	—1·3	—1·6	—1·7	—1·8	—1·7	—1·8	—2·2	—1·8	—0·7	+0·2	+1·1	+1·7	+2·3	+2·6	+3·0

OCTOBER.

1	77·5	76·9	77·2	76·9	77·5	77·2	77·0	77·9	79·6	80·3	81·3	82·6	83·1	83·1	83 8
2	79·4	79·3	78·2	78·2	77·8	77·8	77·5	78·1	80·1	80·8	82·2	83·3	84·2	84·5	84·6
3	80·4	80·4	80·6	80·3	80·2	79·3	78·7	78·7	80·3	81·0	82·1	82·8	84·5	84·6	85·5
4	79·9	80·2	80·3	80·2	79·0	78·2	77·5	76·9	77·6	79·2	81·5	82·8	82·8	82·9	83·9
5	78·7	77·3	77·8	77·0	76·9	76·6	76·4	76·6	77·9	79·7	81·3	82·4	83·3	82·6	83·1
6	80·4	80·2	80·0	79·9	79·7	79·7	79·4	79·1	80·2	81·2	82·2	83·9	84·6	84·6	84·5
7	76·8	76·4	77·0	76·9	76·6	75·9	76·1	76·8	78·2	79·4	80·3	77·3	78·5	80·1	80·0
8	76·0	76·0	75·9	76·0	75·9	75·3	75·8	77·1	78·7	79·7	81·1	81·6	82·8	83·2	83·3
9	79·0	78·0	77·5	77·0	77·2	77·9	77·5	77·6	78·9	80·4	80·7	82·6	83·6	84·0	84·3
10	79·6	79·6	79·6	79·3	78·5	77·6	77·4	78·5	79·7	80·4	81·6	82·6	83·9	84·3	84·6
11	80·1	79·7	79·6	79·6	79·6	79·6	79·0	79·6	80·8	81·1	82·3	83·8	84·6	85·7	55·2
12	80·7	80·7	80·6	80·6	80·4	80·6	80·4	80·7	80·9	81·5	83·0	83·3	84·1	84·5	84·0
13	78·9	78·6	78·6	78·1	78·1	78·1	77·6	78·2	79·4	82·1	83·1	82·5	83·2	82·8	83·5
14	80·0	79·6	79·1	79·2	79·4	79·0	78·9	79·2	80·6	81·9	83·2	83·9	84·6	85·1	85·2
15	77·8	78·4	78·1	77·6	77·4	77·2	77·0	77·8	78·2	79·8	81·7	82·1	82·8	83·7	84·3
16	78·9	78·1	77·5	77·6	77·2	77·1	77·1	77·2	78·9	80·5	81·8	82·9	83·6	84·2	84·0
17	79·1	78·8	78·4	78·1	77·9	77·6	77·6	78·5	79·6	81·2	83·0	83·9	83·8	84·2	84·5
18	78·6	78·5	78·1	78·1	77·9	77·7	78·1	78·8	79·3	80·1	80·7	82·6	83·4	83·6	84·1
19	76·8	76·8	67·2	76·8	76·7	76·1	75·8	77·2	79·3	79·1	81·6	81·0	82·5	83·6	84·2
20	77·6	77·4	77·8	77·1	76·5	76·5	76·4	77·3	79·3	80·8	82·3	82·8	83·7	84·2	84·8
21	77·9	77·6	77·3	77·4	76·9	76·9	77·2	77·9	79·3	81·6	84·1	86·1	88·6	90·3	90·2
22	78·3	78·6	77·6	77·6	77·2	76·7	75·8	76·8	78·6	80·8	83·2	84·6	86·6	88·8	89·8
23	77·4	75·6	75·3	74·8	74·1	75·3	75·5	76·3	77·8	79·5	81·6	83·6	86·4	85·2	85·4
24	77·5	77·0	76·1	75·9	75·5	75·7	75·6	76·1	77·5	80·2	82·6	84·9	87·1	87·8	88·6
25	77·3	77·1	75·9	75·5	75·3	75·5	75·4	75·2	77·4	79·1	81·6	85·1	86·6	87·8	86·9
26	77·3	76·9	76·1	74·9	74·8	75·2	75·0	75·9	78·3	80·3	82·3	84·2	86·6	84·8	84·5
27	77·1	76·2	76·6	75·9	75·8	75·8	75·3	75·9	78·3	80·4	81·6	84·3	85·5	88·1	88·9
28	77·1	76·7	76·4	75·9	75·6	75·2	74·8	76·0	77·8	79·8	81·6	83·6	85·5	87·4	87·4
29	76·9	76·3	76·0	75·5	75·1	74·8	74·1	74·9	76·4	78·7	80·8	82·7	84·8	84·4	85·1
30	76·6	67·2	75·7	75·6	75·0	74·8	74·7	75·3	77·6	80·5	82·8	84·0	86·4	87·5	88·0
31	76·5	76·7	76·0	75·7	75·2	74·8	74·6	74·8	77·1	79·6	82·2	84·7	86·2	87·4	88·4
Mean .	78·3	77·9	77·7	77·4	77·1	77·0	76·7	77·3	78·8	80·3	82·0	83·2	84·4	85·0	85·3
Variation .	—2·1	—2·5	—2·7	—3·0	—3·3	—3·4	—3·7	—3·1	—1·6	—0·1	+1·6	+2·8	+4·0	+4·6	+4·9

† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
83·0	82·6	80·8	79·2	79·7	79·6	79·5	79·3	79·1	80·0	13 28	83·4	6 24	76·2	1
84·5	83·4	82·8	81·5	80·7	80·5	79·9	79·6	79·1	80·8	15 10	84·7	0 55	78·2	2
82·2	82·3	81·7	80·8	80·2	80·1	79·3	79·3	78·1	79·9	13 40	83·8	5 58	77·9	3
80·1	81·9	81·3	80·6	80·1	79·8	79·8	79·7	79·9	80·3	13 34	84·5	0 6	77·7	4
79·5	80·4	78·2	77·8	77·9	78·9	79·4	79·2	77·5	79·9	11 45	84·4	17 15	77·4	5
80·9	79·1	78·8	79·5	79·3	79·5	79·3	79·7	79·5	79·4	11 20	83·6	2 24	76·9	6
77·8	80·7	80·5	80·4	79·0	79·3	78·7	79·2	78·8	78·4	16 28	80·9	4 24	76·8	7
83·9	83·3	79·5	80·1	79·8	79·3	79·2	79·9	78·8	79·6	14 30	84·0	2 10	76·3	8
83·5	83·6	82·9	81·0	80·4	78·4	78·8	79·6	79·7	80·5	13 55	84·6	20 15	77·5	9
82·7	83·7	82·2	81·2	80·8	78·0	78·3	79·0	78·8	80·5	14 10	84·8	0 45	77·5	10
77·1	77·3	77·1	77·5	77·2	77·2	77·7	77·8	76·3	77·8	11 5	81·7	1 24	75·5	11
81·8	79·8	79·6	79·8	79·3	78·5	77·8	77·9	77·7	78·5	14 50	82·2	1 6	75·5	12
81·3	79·8	79·2	79·4	79·2	79·5	79·3	79·5	78·8	79·3	14 30	84·1	2 35	75·6	13
82·0	82·5	82·2	81·0	80·5	80·6	80·1	77·5	77·7	80·3	12 38	84·2	22 34	76·8	14
83·6	83·6	82·5	80·8	79·5	79·7	78·4	78·5	78·3	80·3	15 56	83·9	6 45	77·6	15
82·9	79·1	78·9	78·1	78·6	79·0	78·4	78·0	78·0	78·6	14 16	84·0	2 5	75·5	16
83·7	83·5	82·6	81·7	80·8	80·6	80·1	79·9	79·2	80·4	14 25	84·0	5 56	77·3	17
80·5	80·3	79·8	79·6	79·4	79·3	79·0	78·8	78·4	79·0	15 5	80·7	5 16	77·1	18
83·5	84·0	82·7	82·2	82·0	78·8	78·0	77·9	77·8	80·4	13 35	84·5	22 54	77·6	19
84·4	82·0	81·4	80·7	79·7	77·3	76·3	76·6	77·5	79·5	14 38	84·8	20 58	76·2	20
82·6	82·6	81·7	80·5	80·1	79·7	79·3	79·5	78·9	79·5	14 28	83·3	6 40	76·5	21
84·9	84·1	83·1	81·6	81·3	81·2	80·7	80·6	80·1	80·8	14 45	85·2	2 40	77·8	22
85·2	84·3	83·5	82·3	82·2	82·2	82·0	81·9	81·7	81·8	13 48	85·5	4 24	79·3	23
83·6	83·8	83·2	82·4	81·7	81·2	81·2	76·3	77·1	80·8	15 30	84·0	21 45	76·2	24
85·0	84·3	83·7	82·2	82·0	81·9	81·7	81·6	81·0	80·7	14 24	85·9	1 56	76·1	25
85·7	84·5	82·5	80·7	79·3	79·6	78·6	78·8	77·2	80·8	15 10	86·3	22 50	77·2	26
82·8	81·5	78·6	77·3	77·7	77·2	77·2	77·0	76·5	78·9	14 45	82·9	22 55	76·4	27
81·2	80·3	80·0	79·6	79·6	79·5	79·5	79·3	79·3	78·3	14 5	82·3	6 25	74·5	28
83·4	83·1	82·0	80·3	79·6	79·3	78·8	78.7	78·6	80·1	15 10	83·6	5 56	77·3	29
83·3	83·1	81·7	80·3	79·4	79·2	78·8	78·5	77·8	79·7	14 56	83·5	6 24	76·4	30
82·6	82·1	81·2	80·3	79·9	79·5	79·2	79·0	78·6	79.8					Mean.
+2·8	+2·3	+1·4	+0·5	+0·1	—0·3	—0·6	—0·8	—1·2						Variation.

OCTOBER.

83·7	83·2	82·0	80·6	80·3	79·7	79·6	79·7	79·7	80·0	14 6	83·9	2 28	76·8	1
84·0	83·9	82·8	81·5	81·0	81·0	80·4	80·1	80·4	80·9	13 35	84·8	5 53	77·4	2
83·9	83·9	83·0	82.0	82·0	80·9	80·8	80·4	79·9	81·5	13 34	85·8	6 29	78·5	3
84·7	84·5	82·8	82·0	81·3	80·9	80·4	80·8	80·4	80·9	14 56	84·9	7 15	76·7	4
83·6	84·1	82·6	81·6	81·3	81·3	81·1	80·6	80·5	80·2	16 5	84·2	5 56	76·3	5
84·6	83·5	82·3	80·8	80·1	79·0	78·7	77·9	77·4	81·0	13 20	84 8	23 58	76.8	6
80·1	80·1	79·6	78·5	77·5	76·8	76·4	76·2	75·9	77·8	15 15	81·2	4 56	75·7	7
83·4	82·8	81·7	80·5	80·1	80·0	79·7	79·5	79·4	79·4	14 10	83·7	4 50	75·3	8
83·9	83 3	81·7	80·5	80·1	79·8	79·7	79·6	79·6	80·2	13 35	84·6	3 5	76·9	9
84·3	84·0	82·6	81·2	81·0	80·6	80·3	80·1	79·7	80·9	13 57	84·8	5 36	77·3	10
84·4	84·2	83·0	82·0	81·4	81·1	80·9	80·9	80·8	81·6	13 4	86·1	5 45	78·9	11
83·4	82·5	81·9	81·3	80·8	80·8	80·4	80·1	79·3	81·5	13 26	84·8	23 56	78·8	12
82·6	82·2	81·8	81·2	81·0	80·5	80·5	80·3	80·2	80·5	13 58	84·0	5 56	77·5	13
84·8	84·2	82·3	81·5	79·4	79·3	79·1	78·2	77·0	81·1	13 50	85.6	23 56	77·7	14
83·9	83·1	81·9	80·5	80·1	79·7	79·4	79·3	79·0	80·0	14 20	84·6	6 10	76·9	15
83·4	82·9	81·7	80·8	80·4	80·1	79·9	79·7	79·4	80·2	12 48	84·5	5 28	77·0	16
83·7	83·0	81·5	80·4	80·1	79·7	79·6	79·2	79·0	80·5	13 22	84·7	5 8	77·5	17
84·5	83·4	81·4	80·1	79·3	78·8	78·6	78·2	77·2	80·0	14 58	84·7	23 55	77·0	18
84·2	83·6	81·8	80·7	80·1	79·7	78·6	78·3	78·0	79·6	15 20	84·5	6 14	75·7	19
85·2	84·5	83·1	82·3	81·7	81·3	80·7	79·9	78·6	80·5	14 54	85·3	6 6	76 3	20
90·4	90·1	87·7	85·4	84·1	82·6	81·6	80·8	78·9	82·5	14 35	90·6	4 28	76·5	21
86·9	85·2	83·1	81·9	81·1	80·6	79·2	78·2	78·1	81·1	14 18	90·5	5 55	75·6	22
85·1	84·0	83·0	81·2	80·6	80·1	79·4	78·0	77·5	79·7	12 20	86·8	4 15	74·0	23
88·9	85·5	83·3	81·5	81·1	80·5	79·9	79·2	77·8	80·7	14 48	89·7	3 36	75·4	24
86·3	85·1	83·2	81·6	81·0	80·5	79·7	79·0	78·4	80·3	12 55	88·5	4 58	75·0	25
84·4	83·7	82·0	81·2	81·0	80·4	79·5	78·7	78·2	79·8	12 6	86·8	3 28	74·5	26
87·9	86·7	84·0	82·0	81·2	80 7	80·1	79·3	78·0	80·7	14 30	89·0	6 18	75·2	27
86·0	85·2	82·8	81·0	80·2	80·4	79·7	79·1	78·0	80·1	13 35	88·0*	6 20	74·7	28
84·6	83·7	81·8	80·8	79·9	79·9	79·1	78·3	77·9	79·3	13 56	85·3	6 18	74·0	29
85·0	82·6	80·9	80·0	79·6	79·0	77·9	77·2	76·8	79·6	14 0	88·0	5 38	74·6	30
88·0	86·1	83·5	81·5	80·4	80·2	79·1	78·2	77·5	80·2	14 4	88·7	6 24	74·5	31
84·8	84·0	82·5	81·2	80·6	80·2	79·7	79·2	78·7	80·4					Mean.
+4·4	+3·6	+2·1	+0·8	+0·2	—0·2	—0·7	—1·2	—1·7						Variation.

* Highest hourly value given, the curve being lost near the maximum point.
† The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours.†														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	76·6	76·3	75·5	75·6	74·5	74·3	74·0	74·7	76·8	78·8	81·2	84·0	86·7	**88·4**	86·6
2	76·6	75·6	75·1	75·6	75·7	75·4	75·1	75·2	76·9	78·9	80·7	83·2	83·7	83·3	83·8
3	76·4	76·3	75·3	74·3	73·7	74·3	74·2	74·8	76·9	79·3	82·1	83·3	82·9	83·6	83·8
4	76·9	76·3	75·7	75·3	75·6	75·3	74·9	75·4	78·0	80·1	82·2	84·1	86·1	86·1	85·4
5	78·9	78·2	77·9	77·6	77·3	77·3	77·6	77·7	79·8	81·6	84·3	85·8	87·6	87·7	85·4
6	76·4	75·7	76·7	76·1	75·6	75·4	74·0	74·3	76·2	78·4	80·1	81·2	84·2	84·1	83·3
7	74·9	75·5	75·9	75·0	74·5	73·9	74·0	74·6	76·5	77·9	79·5	81·1	84·1	83·0	82·5
8	76·8	76·4	75·7	75·2	75·1	74·8	74·6	74·6	76·1	77·7	80·1	82·6	84·1	84·8	84·8
9	75·7	75·3	74·7	74·4	73·9	73·2	73·2	73·6	75·0	77·0	79·5	82·6	83·9	84·7	84·9
10	74·2	73·7	73·9	73·9	73·1	71·8	71·7	71·9	74·5	76·6	79·2	82·2	84·9	85·8	87·0
11	75·1	74·2	74·7	74·1	73·1	73·4	73·2	73·3	74·9	77·0	79·7	82·4	86·0	87·0	86·3
12	75·0	74·6	74·2	73·5	83·3	73·2	73·2	73·7	75·5	77·7	80·2	82·5	85·4	87·1	85·4
13	75·1	73·9	74·1	73·3	73·2	72·1	72·1	72·1	73·8	76·3	79·5	80·6	83·6	84·5	83·9
14	74·3	73·4	73·2	73·0	72·5	71·5	71·2	71·5	73·2	75·2	77·2	80·1	81·1	81 6	81·6
15	74·3	73·2	73·9	73·3	73·3	72·0	72·4	73·0	74·7	76·8	80·2	82·6	84·7	84·9	86·4
16	73·9	72·9	72·5	72·4	71·2	71·0	70·7	71·0	73·2	75·4	78·1	80·2	83·2	82·9	82·0
17	71·7	71·4	71·8	71·3	71·3	69·7	70·4	70·1	72·4	75·1	77·5	78·8	80·7	80·9	81·5
18	72·4	72·0	71·2	71·0	70·7	70·7	71·1	71·0	72·8	75·4	78·2	80·9	82·6	83·8	83·7
19	73·2	73·4	73·3	73·0	72·4	71·4	70·5	70·6	72·2	74·6	77·2	79·2	81 1	81·7	81·6
20	71·5	70·5	70·0	69·2	69·3	69·4	**68·9**	69·4	71·3	74·3	76·3	78·2	79·8	80 0	80·8
21	72·9	72·4	71·9	71·4	70·9	70·6	70·1	70·7	73·3	75·9	79 5	80·3	81·6	81·3	82·0
22	76·4	76·0	75·2	75·4	76·0	75·7	75·7	76·4	77·9	80·1	83·0	83·5	82·8	82·3	81·4
23	76·4	76·1	76·0	75·4	75·4	75·0	75·1	75·5	76·7	77·6	79·9	82·1	84·7	86·0	86·5
24	76·1	75·7	75·5	74·7	74·5	74·2	74·1	74·4	76·3	78·5	80·8	81·9	81·8	81 7	82·3
25	76·2	75·3	75·3	74·8	74·3	74·2	74·3	75·0	75·7	78·2	80·8	83·5	85·5	83·3	82·8
26	76·5	75·7	75·1	75·4	75·5	75·2	73·8	73·8	76·4	78·6	80·7	82·7	85·2	87·3	83·1
27	75·6	75·7	75·5	74·7	74·0	73·6	73·2	73·3	74·2	75·5	77·9	80·2	82·5	84·2	85·9
28	71·8	71·7	72·0	71·4	70·8	70·1	70·2	69·9	70·9	72·5	75·9	77·7	79·9	82·2	82·6
29	70·8	71·0	70·9	70·4	70·0	69·7	69·5	70·2	71·7	73·8	76·3	78·2	80·5	81·8	82·8
30	71·5	71·0	71·4	71·2	70·6	70·2	69·8	69·6	71·7	73·2	76·3	78·6	81·0	82·2	83·2
Mean	74·8	74·3	74·1	73·7	73·4	73·0	**72·8**	73·0	74·9	76·9	79·5	81·5	83·4	**83·9**	83·8
Variation	—2·7	—3·2	—3·4	—3·8	—4·1	—4·5	**—4·7**	—4·5	—2·6	—0·6	+2·0	+4·0	+5·9	+6·4	+6·3

DECEMBER.

1	72·7	71·6	71·1	71·1	70·8	70·5	70·3	70·5	71·7	73·9	77·0	81·3	82·6	84·3	84·6
2	72·1	71·3	71·3	71·1	70·6	70·6	70·2	70·6	71·3	72·7	76·1	78·5	81·5	81·9	81·2
3	72·1	71·3	72·1	72·0	71·5	71·5	70·9	71·3	72·3	74·2	76·8	79·6	82·6	84·0	83·3
4	72·1	72·1	71·8	71·7	71·3	70·8	70·8	71·0	72·0	72·5	77·0	80·1	82·4	84·5	84·4
5	71·3	70·0	69·7	70·2	70·1	69·6	69·3	69·3	71·2	72·7	74·2	76·9	79·5	81·0	81·4
6	72 4	70·5	70·4	69·6	69·1	68·2	68·0	68·8	70·1	71·9	74·3	76·3	78·6	80·8	81·6
7	71·7	71·5	70·5	70·5	70·8	70·2	68·9	69·1	71·2	72·0	74·1	76·8	78·2	79·1	78·7
8	74·2	74·2	74·3	73·9	73·1	71·9	72·1	72·0	72·4	75·3	76·8	77·6	78·3	78·8	78·5
9	73·7	73·5	73·1	72·8	72·4	72·1	72·1	71·4	73·0	75·6	77·0	77·9	78·6	78·4	78·2
10	70·7	71·7	70·6	70·4	70·1	70·5	69·9	69·9	71·1	72·0	74·3	76·4	76·9	77·6	78·3
11	69·2	68·5	67·7	66·6	**66·2**	66·3	66·2	66·3	68·8	71·3	73·8	75·5	76·9	77·6	78·4
12	71·0	70·2	69·9	69·2	68·4	69·3	69·0	69·2	70·6	72·2	74·6	76·4	77·4	78·9	79·6
13	73·0	73·3	73·1	72·3	72·5	71·7	71·9	71·4	72·6	74·8	77·2	79·7	80·2	81·1	80·8
14	75·3	75·0	75·1	75·1	74·6	73·4	73·0	72·1	74·9	76·9	79·1	81·0	81·5	82·8	83·2
15	76 2	76·2	75·6	75·2	75·0	74·5	74·0	74·0	75·3	77·2	79·6	80·6	83·0	84·1	83·8
16	74·6	74·2	74·3	72·7	73·5	73·6	73·6	73·6	74·8	76·7	79·0	81·2	84·3	85·5	84·6
17	75·2	74·3	73·4	72·8	72·8	71·9	71·9	71·5	73·5	74·7	76·7	78·3	79·9	80·5	81·0
18	73·3	73·0	72·2	72 5	72·7	72·1	71·5	71·3	72·4	73·4	76·7	77·9	79·1	79·2	79·3
19	72·4	72·3	71·6	71·4	70·9	70·5	70·3	69·5	71·5	73·6	76·4	78·0	79·3	80·3	80·8
20	73·5	73·0	72·8	72·5	72·4	71·9	71·8	71·5	72·7	74·6	76·7	78·8	81·5	83·4	84·0
21	74·2	74·0	73·4	73·6	72·7	73·4	72·9	72·5	73·8	75·2	77·4	79·3	81·8	82·9	83·1
22	73·5	73·2	72·4	72·4	72·1	71·4	72·6	72·7	73·9	75·8	78·0	80·7	82·0	83·3	84·2
23	73·3	72·8	73·2	73·2	72·6	72·4	72·1	72·7	74·2	75·6	78·2	80·1	82·6	83·9	83·3
24	73·5	72·6	73·2	72·6	72·7	72·3	72·8	72·9	74·1	75·3	78·1	80·1	82·0	84·2	86·0
25	73·3	72·7	72·7	72·7	72·3	71·8	70·9	71·6	73·0	74·6	76·8	78·6	81·0	80·7	82·3
26	72·4	72·3	72·6	72·4	71·7	70·9	70·6	70·6	71·2	72·8	75·3	76·9	80·5	82·6	83·6
27	72·7	72·8	73·0	72·0	71·7	71·8	71·5	71·2	72·1	73·7	76·5	78·6	81·2	81·9	82·6
28	73·8	72·0	72·0	71·8	71·5	70·5	70·4	69·8	71·0	72·8	75·7	77·9	82·6	84·4	85·0
29	72·6	71·8	73·7	73·3	72·9	72·1	71·7	71·1	72·3	73·6	76·4	78·6	83·0	**86·6**	84·3
30	74·6	74·4	73·8	73·8	73·5	72·8	72·5	72·5	73·2	76·0	78·8	81·9	84·0	82·8	83·3
31	74·1	73·3	73·4	72·9	72·4	71·8	70·4	70·6	71·8	73·2	76·2	78·2	81·2	82·0	83·1
Mean	73·1	72·6	72·4	72·1	71·8	71·3	71·1	**71·0**	72·4	74·1	76·6	78·7	80·8	81·9	**82·1**
Variation	—2·5	—3·0	—3·2	—3·5	—3·8	—4·3	—4·5	—4·6	—3·2	—1·5	+1·0	+3·1	+5·2	+6·3	**+6·5**

†The readings refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Hours.†									Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
										H. M.		H. M.		
85·4	84·3	81·4	80·6	79·9	79·1	78·7	77·9	77·2	79·5	12 12	**88·9**	6 4	73·9	1
83·6	83·0	81·3	80·0	79·7	79·4	79·0	77·9	77·6	79·0	14 45	84·5	2 16	75·0	2
84·4	83·0	81·1	80·0	79·6	79·3	79·0	78·3	78·1	78·9	14 18	84·8	3 56	74·0	3
85·2	83·7	82·6	81·8	81·5	81·2	80·8	79·9	79·2	80·1	12 45	86·5	5 40	74·7	4
84·3	83 1	81·3	80·3	79·7	79·6	79·2	78·1	76·7	**80·7**	12 14	87·8	23 48	76·4	5
81·9	82·0	80·6	79·7	79·4	79·0	78·6	77 9	76·4	78·6	12 22	85·1	6 36	73·9	6
81·9	81·2	79·7	79·5	79·5	79·5	79·0	78·3	77·1	78·3	12 16	84·9	6 16	73·8	7
83·4	82·4	80·3	79·2	78·9	78·8	77·5	76·2	75·8	78·6	13 40	85·8	6 3	74·5	8
83·5	81·5	79·0	77·9	77·3	77·2	76·9	76·4	75·0	77·8	13 57	85·5	5 58	73·1	9
83·5	82·0	80·5	79·2	78·8	78·4	78·1	76·9	75·5	77·8	14 16	87 3	6 24	71·6	10
84·5	82·3	80·2	79·1	78·5	78·2	77·5	76 3	76·4	78·2	12 38	87·2	4 20	73·0	11
84·0	82·8	80·6	79·6	78·8	78·4	77·5	76·1	74·8	78·2	13 20	87·6	5 20	73·1	12
82·4	81·4	79·4	78·3	77·5	77·4	76·4	75·3	74·7	77·1	12 50	85·2	6 24	72·0	13
81·2	81·5	79·8	78·6	77·8	77·7	76·8	75·7	74·9	76·4	15 50	82·5	6 24	71·1	14
84·6	81·8	79·3	78·0	77·3	77·2	76·8	75·7	74·4	77·5	14 24	87·2	5 6	71·9	15
81·2	80·9	78·8	77·8	77·5	76·7	75·3	74·7	73·0	76·1	12 55	84·0	6 24	70·5	16
81·1	80·5	78·7	77·5	77·0	76·8	76·1	74 4	72·7	75·4	14 4	81·7	5 20	69·6	17
82·1	80·4	78·8	78·2	77·9	77·2	75·8	74·8	73·5	76·1	13 4	83·9	2 40	70·1	18
81·2	80·1	78·2	77·1	77·1	76·8	75·6	74·9	72·9	75·8	13 52	82·1	6 24	70·2	19
80·1	78 9	77·4	77·0	76·8	76·1	74·7	73·6	72·1	**74·4**	14 5	80·9	6 24	**68·8**	20
81·6	79·7	78·6	78·0	78·2	78·4	77·9	77·1	75·8	76·3	14 6	82·2	5 50	70·0	21
80·4	77·1	76·4	76·8	76·7	76·9	76·8	76·8	76·4	78·0	10 55	84·5	2 15	75·1	22
84·8	84·0	81·6	80·3	79·6	79·0	77·9	77·3	76·8	79·2	13 40	86·9	5 24	74·9	23
82·2	80·4	79·4	79·1	78·7	78·7	78·1	77·5	76·7	78·1	14 46	82·5	5 50	74·0	24
81·6	80·1	79·0	78·5	77·9	78·1	77·8	77·3	76·8	78·2	11 15	85·8	5 46	74·1	25
82·3	81·6	79·2	78·3	78·1	77·8	77·3	76·3	75·2	78·4	13 6	87·6	6 36	73·5	26
86·4	82 8	79·4	77·3	76·4	75·4	75·2	72·8	71·7	77·2	15 4	86·6	23 24	71·6	27
80·5	79·0	76·5	75·5	74·9	74·6	73·6	72·3	71·0	74·5	13 40	82·8	6 30	69·7	28
82·2	80·4	77·7	76·4	75·5	75·2	74·4	73·3	72·4	74·8	14 16	82·9	5 58	69·4	29
82·8	81·7	79·2	77·5	76·4	75·7	75·0	73·5	73·2	75·3	13 45	83·6	6 28	69·5	30
82·8	81·5	79·5	78·6	78·1	77·8	77·1	76·1	75·1	77·5					Mean.
+5·3	+4·0	+2·0	+1·1	+0·6	+0·3	—0·4	—1·4	—2·4						Variation.

DECEMBER.

84·5	81·4	79·1	77·6	76·4	75·7	75·2	74·0	72·8	75·9	14 40	84·8	6 24	70·1	1
80·9	79 8	78·0	77·0	76·5	75·9	75·0	73·8	72·7	75·0	12 30	82·9	5 6	69·5	2
82·2	80·4	78·7	77·8	77·2	76·8	76·1	74·3	72·7	75·9	13 34	84·8	6 24	70·5	3
85·3	82·9	78·7	77·3	76·3	75·8	75·2	74·5	72·8	76·0	15 5	85·5	6 19	70·5	4
81·5	80·7	78·2	76·6	76·1	75·3	73·9	72·8	72·1	74·3	14 45	81·7	6 25	69·2	5
80·4	79·3	77·3	76·3	75·7	75·3	74·7	73·4	72·6	74·0	14 20	81·8	6 23	67·5	6
78 8	76·9	76·9	75·9	75·9	75·7	75·4	75·1	74·2	74·0	12 30	79·4	6 24	68·6	7
78·9	78·0	76·4	75·4	75·2	75·1	74·9	74·9	74·1	75·3	13 35	79·1	5 35	71·6	8
77·2	76 5	74·8	74·1	73·3	72·4	71·7	71·4	70·9	74·3	13 30	78·8	23 56	70·6	9
77·6	76·9	75·4	74·2	73·8	73·4	72·1	70·9	70·5	73·1	14 15	78·7	6 24	69·7	10
78·2	77·1	75·5	74·8	74·4	73·6	72·5	72·0	71·5	**72·0**	14 16	78·6	5 30	**65·7**	11
80·1	79·3	77·7	76·9	76·0	75·6	74·2	73·6	72·5	73·8	15 15	80·4	4 5	68·3	12
80·7	80·1	78·6	77·5	76·8	76·5	76·1	76·0	75·3	76·0	13 4	81·4	6 56	71·3	13
81·8	81·2	79·8	78·6	77·7	77·5	76·5	76·4	76·2	77·4	13 38	83·4	6 55	72·0	14
82·0	81·2	79·0	78·0	77·8	77·8	77·1	76·0	75·4	**77·9**	13 22	84·5	6 24	73·5	15
83·6	82·5	80·1	78·5	77·6	77·0	76·0	75·2	75·0	77·6	13 10	85·7	3 15	72·5	16
80·5	79·8	78·4	77·4	76·5	76·0	75·5	75·0	73·8	75·9	14 35	81·5	6 56	71·4	17
79·7	79·1	77·4	76·6	76·2	75·8	75·3	74·5	73·7	75·2	14 56	79·8	6 30	71·2	18
81·0	80 0	78·1	77·1	76·5	75·8	74·8	74·6	73·8	75·0	14 14	81·1	7 6	69·4	19
83·1	81·7	79·7	78·5	77·7	77·2	76·2	75·3	74·8	76·5	14 5	84·2	6 40	71·4	20
83·2	81·8	79·7	78·5	78·0	77·5	76·3	74·8	73·9	76·8	14 40	83·5	6 46	72·4	21
82·1	81·0	79·1	78·1	77·7	77·5	76·3	74·5	73·5	76·6	13 36	84·6	5 16	71·3	22
82·2	81 2	79·4	78·2	77·5	77·2	76·9	76·1	75·0	76·8	12 55	84·2	5 55	71·5	23
84·6	82·2	79·6	78·3	77·6	77·1	75·6	74·4	73·5	76·9	14 5	86·1	4 46	72·2	24
82·7	81·9	79 5	78·0	76·6	75·3	74·9	74·0	72·8	75·9	14 16	82·8	6 10	70·4	25
81·9	81·0	79·3	77·9	77·0	76·0	74·5	73·5	72·7	75·4	13 39	84·6	6 24	70·4	26
82·0	81·0	79·3	77·5	76·5	75·0	73·9	72·8	73·4	75·6	13 37	82·8	6 24	70·8	27
84·1	82·3	80·2	78·3	77·2	76·5	75·3	74·1	73·2	75·9	14 6	85·3	6 45	69·7	28
83·7	83·2	80·5	78·5	77·4	77·0	76·6	76·2	75·4	76·8	13 28	**87·1**	7 2	70·8	29
83·3	81·9	79·8	78·5	77·8	76·9	75·6	74·6	73·6	77·1	12 24	84·8	6 35	72·3	30
83·1	81·8	80·2	78·5	77·4	76·3	74·1	74·7	74·8	76·1	14 24	83·5	6 15	70·3	31
81·6	80·5	78·5	77·3	76·6	76·0	75·1	74·3	73·5	75·6					Mean.
+6·0	+4·9	+2·9	+1·7	+1·0	+0·4	—0·5	—1·3	—2·1						Variation.

†The reading refer to 2 minutes after the full hour of local mean time (*vide* Introduction, page 4).

JANUARY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.												
	0	1	2	3	4	5	6	7	8	9	10	11	12
1	81	79	81	76	74	73	72	73	76	71	69	63	66
2	85	85	79	88	88	88	87	89	88	82	77	69	70
3	88	87	86	85	88	80	78	74	76	69	69	67	63
4	74	77	78	78	78	78	77	77	72	63	60	47	48
5	45	41	41	49	38	37	39	42	38	30	29	26	24
6	58	56	55	58	62	65	63	65	61	55	42	43	42
7	69	80	75	72	75	67	67	69	72	74	67	59	56
8	87	87	86	84	86	87	88	88	88	84	81	80	80
9	89	90	89	89	89	89	91	90	89	90	88	83	76
10	86	88	88	88	82	78	84	85	84	85	81	80	79
11	88	86	88	88	90	90	90	85	78	84	80	73	68
12	81	80	88	90	90	86	87	85	79	77	75	63	61
13	85	88	88	88	89	88	76	82	81	70	62	58	59
14	75	77	75	85	86	84	84	82	81	81	69	65	63
15	80	85	87	87	82	80	82	81	80	75	68	62	52
16	75	84	83	80	80	84	79	82	80	73	70	63	51
17	79	85	83	81	83	81	84	75	72	74	68	63	56
18	82	83	82	82	78	79	84	83	79	74	71	67	54
19	88	88	88	86	72	64	75	79	76	72	67	67	57
20	66	71	63	73	75	64	70	68	71	51	52	56	56
21	66	72	64	66	66	58	57	57	58	48	47	54	48
22	58	61	61	54	62	57	64	59	67	64	64	52	53
23	71	74	69	69	72	71	75	74	74	69	66	53	52
24	76	75	72	74	71	68	77	67	71	69	63	55	55
25	69	62	68	73	66	67	65	73	72	68	63	57	55
26	79	82	82	85	82	80	81	80	80	75	64	65	60
27	73	72	68	65	72	72	72	72	76	74	65	56	49
28	87	85	85	87	88	87	84	87	85	79	73	63	60
29	76	75	73	71	71	77	79	73	74	69	65	56	53
30	70	75	80	80	82	81	80	79	78	70	63	51	51
31	83	80	83	78	84	89	86	66	76	69	59	54	36
Mean	76·4	77·7	77·0	77·7	77·5	75·8	76·7	75·5	75·2	70·6	65·7	60·3	56·5
Mean Vapour Pressure.	·596	·600	·590	·588	·576	·554	·557	·541	·565	·567	·567	·555	·552

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1	84	76	76	76	78	85	85	79	80	75	71	69	68
2	86	88	85	87	85	86	86	85	85	80	75	73	74
3	87	87	84	86	88	91	91	86	88	82	77	72	72
4	84	82	84	86	88	88	85	86	86	80	75	70	66
5	86	88	89	90	92	87	91	91	85	79	80	76	71
6	86	88	88	90	90	90	91	91	88	85	75	67	69
7	82	83	85	85	86	87	88	88	87	83	78	76	74
8	74	69	70	75	79	77	79	76	72	64	63	58	58
9	69	76	80	79	75	75	73	75	75	73	66	63	62
10	73	71	68	68	75	78	80	80	77	75	66	62	60
11	69	70	68	71	73	71	73	72	71	69	64	60	57
12	48	47	40	39	45	52	57	57	54	44	43	39	43
13	66	66	74	73	69	67	66	59	57	60	54	45	31
14	75	78	74	67	71	63	60	57	48	57	51	48	52
15	54	47	48	44	44	46	53	40	37	50	49	47	42
16	82	84	85	84	77	79	72	71	68	67	63	62	63
17	73	75	67	76	75	69	63	59	53	53	56	58	66
18	83	80	81	72	73	74	80	65	62	70	50	58	64
19	84	81	79	80	67	67	82	83	75	69	65	66	59
20	75	75	72	63	60	62	67	69	61	67	65	66	62
21	68	74	72	73	77	76	79	79	76	68	67	63	62
22	68	72	74	78	78	80	82	79	74	66	60	63	59
23	83	81	80	78	87	86	85	85	83	77	69	67	65
24	82	81	82	79	82	85	87	87	80	79	74	61	62
25	88	87	88	89	89	90	90	90	85	81	73	52	55
26	83	84	85	88	83	81	75	73	67	73	67	60	59
27	64	55	49	55	64	78	68	65	66	46	47	48	51
28	66	79	79	75	79	84	86	86	77	72	77	76	77
29	90	90	89	89	91	91	92	93	85	83	77	66	56
Mean	76·3	76·3	75·7	75·7	76·6	77·4	78·1	76·1	72·5	69·9	65·4	61·8	60·7
Mean Vapour Pressure.	·613	·608	·601	·591	·590	·589	·586	·566	·574	·590	·596	·590	·602

JANUARY. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.											Mean.	*Mean Vapour Pressure.	Date.
13	14	15	16	17	18	19	20	21	22	23			
												"	
60	59	64	68	75	78	79	79	77	81	84	73·3	·645	1
70	66	64	67	69	76	77	79	80	83	87	78·9	·681	2
57	57	55	54	56	59	64	77	76	75	76	71·5	·619	3
47	45	40	42	41	46	44	46	58	55	46	59·0	·477	4
32	36	39	47	53	47	49	45	51	51	56	**41·0**	**·298**	5
42	47	51	56	66	72	73	72	70	68	73	59·0	·445	6
60	61	64	67	70	80	82	86	85	86	87	72·1	·642	7
76	74	76	75	80	84	86	86	88	88	89	**83·7**	**·761**	8
73	70	70	65	70	73	77	79	81	82	84	81·9	·715	9
78	76	76	76	81	83	85	86	86	86	87	82·8	·711	10
68	71	74	77	81	84	84	81	80	83	87	81·6	·711	11
61	65	69	72	78	81	82	79	83	83	86	78·4	·676	12
61	63	65	69	71	73	74	72	75	71	71	74·1	·615	13
62	63	67	71	74	74	75	75	77	77	75	74·9	·602	14
57	57	55	63	68	72	72	74	79	78	74	72·9	·573	15
54	62	65	66	72	76	79	80	75	77	70	73·3	·618	16
63	64	67	69	74	81	86	81	87	84	80	76·1	·683	17
53	48	59	66	72	77	82	83	82	86	87	74·8	·679	18
57	63	64	61	75	78	74	75	76	67	64	72·2	·637	19
51	58	61	61	63	58	60	63	64	63	63	62·5	·533	20
46	53	53	57	62	64	67	68	65	67	64	59·5	·487	21
54	59	57	65	70	68	64	66	69	67	69	61·8	·481	22
65	66	66	64	63	68	74	75	77	78	73	69·1	·545	23
59	61	65	64	66	71	73	74	76	71	73	68·6	·543	24
57	61	64	63	68	73	72	74	79	81	79	67·9	·539	25
60	58	59	63	67	66	67	71	75	80	71	72·2	·559	26
46	53	55	60	66	73	76	78	80	81	83	68·2	·526	27
56	61	61	68	73	78	78	79	76	71	75	76·1	·600	28
60	67	73	71	75	77	77	70	66	54	58	69·2	·572	29
53	63	66	69	76	81	79	78	80	76	75	72·3	·611	30
55	54	62	64	73	78	78	79	81	84	79	72·1	·621	31
57·8	60·0	62·1	64·5	69·3	72·5	73·8	74·7	76·0	75·3	75·0	71·0	·594	Mean.
"	"	"	"	"	"	"	"	"	"	"			
·577	·604	·622	·636	**·642**	·642	·639	·638	·633	·614	·596			Mean Vapour Pressure.

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66	64	66	67	67	67	73	76	76	81	84	74·5	·641	1
75	74	73	74	79	82	83	82	83	83	82	81·0	·662	2
69	67	67	69	70	75	76	78	80	80	80	79·3	·632	3
65	69	66	67	72	68	69	67	63	75	83	76·0	·637	4
73	70	72	73	75	80	80	83	83	83	84	**81·7**	·720	5
69	67	66	67	69	73	77	79	80	79	80	79·3	·678	6
76	73	69	65	68	70	72	72	73	73	72	77·7	·661	7
53	47	44	48	52	59	65	69	65	69	70	64·8	·520	8
63	59	59	59	60	62	64	66	66	68	72	68·3	·533	9
60	60	59	59	62	64	64	62	64	67	63	67·4	·510	10
54	51	50	53	54	52	50	49	52	50	46	60·4	·442	11
46	43	47	49	56	58	59	66	60	66	68	**51·1**	**·398**	12
51	51	53	56	62	65	68	70	69	60	57	60·4	·500	13
49	51	54	54	58	60	61	63	55	53	58	59·0	·494	14
51	51	57	57	65	69	67	68	71	76	77	54·6	·458	15
61	63	60	63	70	76	78	81	82	78	70	72·5	·603	16
65	68	70	72	73	70	74	79	77	80	82	68·9	·614	17
62	63	67	68	71	71	76	79	82	84	84	71·6	·650	18
63	60	59	56	61	61	62	63	66	61	67	68·2	·631	19
56	49	45	43	51	47	53	67	69	70	68	61·7	·575	20
57	49	48	48	48	47	45	55	72	71	65	64·1	·574	21
60	62	63	66	68	70	71	76	75	77	81	70·9	·614	22
66	67	66	65	65	67	68	70	67	65	81	73·9	·636	23
64	66	68	70	73	76	79	81	82	83	86	77·0	·677	24
61	63	64	63	69	74	78	78	79	81	83	77·1	·679	25
64	69	69	69	75	75	74	72	74	66	63	72·8	·654	26
51	57	60	60	68	74	71	66	71	80	78	62·2	·599	27
76	75	76	71	74	77	82	83	87	88	88	78·7	**·760**	28
68	67	64	68	68	70	73	73	77	79	81	78·3	·722	29
61·9	61·2	61·4	62·0	65·6	67·6	69·4	71·5	72·4	73·3	74·2	70·1	·603	Mean.
"	"	"	"	"	"	"	"	"	"	"			
·620	**·625**	·620	·619	·621	·608	·608	·615	·611	·612	·608			Mean Vapour Pressure.

* Derived from 24 hourly values.

MARCH. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.												
	0	1	2	3	4	5	6	7	8	9	10	11	12
1	83	84	83	83	85	85	88	84	73	75	70	60	63
2	81	82	82	84	87	88	88	85	81	77	61	73	69
3	59	53	61	73	80	70	67	70	72	58	48	57	48
4	72	69	75	78	75	67	68	65	60	54	43	38	38
5	66	63	72	80	75	71	72	67	63	62	50	33	50
6	80	78	82	79	85	86	80	75	73	70	62	64	64
7	83	85	85	88	86	87	88	88	84	84	78	76	74
8	66	68	74	75	56	61	74	69	57	52	53	55	66
9	71	74	75	69	72	78	78	76	70	67	62	64	64
10	80	84	87	89	85	72	77	74	74	59	52	56	64
11	83	85	81	68	74	78	69	61	72	68	65	58	56
12	87	87	88	**90**	89	90	90	88	86	83	81	78	75
13	85	84	85	86	87	87	88	88	84	80	77	74	69
14	84	85	85	86	86	88	89	88	86	83	74	70	66
15	85	86	86	88	87	86	85	84	82	78	73	69	67
16	84	86	86	86	83	80	76	73	70	67	67	70	73
17	82	81	79	76	76	76	68	74	78	74	70	51	67
18	85	83	82	85	82	84	86	86	82	76	47	78	76
19	84	81	76	77	78	82	73	73	70	64	58	46	56
20	73	69	68	66	66	72	71	67	63	66	73	68	64
21	45	48	60	49	47	45	66	56	48	38	44	55	67
22	72	76	76	77	77	75	67	66	57	58	60	61	63
23	82	83	84	80	82	82	85	79	74	68	74	73	68
24	89	88	84	86	88	89	86	81	76	73	67	68	68
25	69	71	71	59	73	71	71	56	53	57	51	56	64
26	73	74	78	71	70	78	79	77	76	71	72	71	70
27	78	78	77	77	75	74	75	77	74	74	72	72	67
28	69	70	70	71	72	70	70	69	65	61	60	54	46
29	81	83	84	85	86	82	81	80	73	63	52	61	62
30	83	83	81	83	84	82	80	72	65	53	57	57	60
31	80	81	84	85	86	85	84	84	81	78	74	73	65
Mean	77·2	77·5	78·7	78·4	78·5	78·1	78·0	75·2	71·7	67·5	62·8	62·5	63·2
Mean Vapour Pressure.	″ ·760	″ ·752	″ ·754	″ ·740	″ ·737	″ ·721	″ ·714	″ ·696	″ ·719	″ ·722	″ ·716	″ ·740	″ ·773

APRIL.

1	77	81	82	83	83	82	84	83	78	74	75	72	71
2	80	80	79	82	82	82	84	81	77	73	69	68	66
3	81	82	82	83	81	81	80	79	75	71	70	67	66
4	79	78	77	78	81	81	82	77	71	66	59	63	56
5	71	70	70	71	72	78	70	73	66	58	60	57	58
6	80	74	72	72	73	73	74	72	70	68	65	64	66
7	77	75	73	74	77	80	79	74	61	61	50	61	63
8	83	84	83	79	80	83	81	81	75	70	64	57	60
9	80	78	78	78	78	80	80	76	78	71	66	63	59
10	74	76	78	79	80	79	78	73	73	65	64	58	64
11	80	78	77	76	76	78	79	77	73	69	66	66	64
12	80	78	80	80	78	76	76	71	69	66	59	61	60
13	67	69	69	70	73	73	73	73	69	64	60	59	61
14	73	71	72	77	77	72	73	73	70	73	70	68	66
15	78	76	79	79	70	69	73	66	49	49	57	52	54
16	69	71	73	74	73	71	72	75	71	69	69	66	66
17	79	81	80	82	83	84	83	77	73	71	69	67	67
18	80	82	83	83	83	83	83	80	75	69	68	66	62
19	84	84	87	**88**	87	84	87	81	76	68	54	55	64
20	83	85	83	83	84	85	85	80	62	74	74	71	66
21	68	68	68	69	73	71	72	71	65	67	67	70	66
22	82	83	84	83	81	83	84	81	78	73	73	70	68
23	82	82	83	82	85	86	85	82	78	75	74	70	69
24	75	79	77	73	80	81	81	77	74	76	70	68	66
25	84	87	87	83	84	85	85	80	77	74	74	71	70
26	84	84	83	81	82	81	82	76	70	67	67	66	65
27	84	83	85	87	85	84	85	84	77	73	71	61	63
28	81	81	81	83	83	84	83	81	76	74	67	66	66
29	79	82	83	84	84	85	85	81	73	68	65	67	65
30	81	81	79	76	79	81	81	73	65	62	52	48	51
Mean	78·5	78·8	78·9	79·1	79·6	79·8	**80·0**	76·9	71·5	68·6	65·6	63·9	63·6
Mean Vapour Pressure.	″ **·848**	″ ·841	″ ·836	″ ·829	″ ·828	″ ·822	″ ·820	″ **·818**	″ ·819	″ ·826	″ ·821	″ ·826	″ ·845

MARCH. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.											Mean.	Mean Vapour Pressure.*	Date.
13	14	15	16	17	18	19	20	21	22	23			
												"	
62	62	60	63	63	72	72	70	72	74	76	73·4	·651	1
67	68	66	68	68	69	68	67	71	57	57	73·5	·664	2
52	63	49	51	50	52	44	59	61	68	76	60·0	·611	3
39	56	62	65	66	60	56	59	61	56	71	60·5	·649	4
54	63	66	69	68	74	73	70	66	65	77	65·4	·689	5
64	63	66	69	65	77	67	68	61	65	72	71·5	·712	6
68	66	66	66	69	71	68	56	60	52	71	75·0	·773	7
57	63	60	55	52	52	54	67	72	66	67	62·1	·642	8
62	57	58	58	63	69	73	77	80	82	84	70·1	·684	9
64	66	68	71	70	69	70	70	66	64	70	70·9	·699	10
60	63	65	69	73	81	83	87	87	86	86	73·3	·761	11
72	74	72	74	81	80	82	83	84	84	85	82·6	·845	12
68	68	68	66	68	73	76	79	80	81	83	78·6	·803	13
68	69	65	67	67	72	74	74	75	80	84	77·7	·781	14
65	64	66	66	69	72	78	79	80	82	83	77·5	·775	15
72	71	73	74	75	76	77	80	80	82	82	76·8	·783	16
70	70	72	75	75	74	77	77	79	79	79	74·1	·844	17
74	75	74	75	79	83	83	82	85	85	83	79·6	·883	18
64	64	66	63	64	69	71	68	70	74	77	69·5	·785	19
55	57	60	60	56	62	65	65	67	63	55	64·6	·742	20
53	54	48	43	51	55	61	68	70	72	75	54·5	·650	21
60	57	56	57	62	70	75	78	80	81	82	68·5	·739	22
65	62	67	67	73	79	81	82	85	86	87	77·0	·807	23
67	66	69	65	66	73	74	73	74	75	67	75·5	·792	24
67	62	62	57	61	67	66	70	72	74	74	64·7	·714	25
64	59	61	62	65	66	70	70	77	79	76	71·2	·815	26
62	51	55	53	58	59	61	66	66	68	68	68·2	·783	27
40	45	59	59	60	66	71	73	74	76	79	64·5	·703	28
63	66	65	68	72	77	81	81	84	85	85	76·0	·813	29
60	63	62	61	65	71	74	75	79	82	83	71·5	·787	30
63	59	59	60	63	68	70	71	75	77	75	74·2	·841	31
62·0	62·8	63·4	63·7	65·7	69·6	70·8	72·4	74·0	74·2	76·4	71·0	·749	Mean.
"	"	"	"	"	"	"	"	"	"	"			
·769	·782	·778	·766	·762	·763	·755	·764	·766	·760	·769			Mean Vapour Pressure.

APRIL.

70	70	70	73	74	77	75	79	81	81	80	77·3	·924	1
66	66	67	70	71	75	75	78	78	79	79	75·3	·884	2
64	62	63	67	69	74	75	76	77	76	77	74·1	·863	3
47	46	49	59	57	65	63	61	66	68	69	66·6	·787	4
57	59	57	60	61	65	66	65	67	71	75	65·7	·765	5
66	66	64	63	66	66	69	71	74	77	76	70·0	·815	6
66	65	64	66	67	71	75	78	79	81	83	70·8	·818	7
57	59	60	62	67	71	75	79	81	80	81	73·0	·834	8
60	61	62	60	63	64	67	69	70	73	74	70·3	·793	9
66	65	68	69	71	74	77	77	80	82	80	72·9	·767	10
63	64	63	66	70	74	77	77	78	78	80	72·9	·792	11
57	55	56	57	60	67	70	70	71	69	68	68·1	·742	12
60	58	61	62	63	69	70	69	69	70	72	66·8	·719	13
64	64	66	67	67	67	75	76	75	77	78	71·3	·798	14
54	50	46	44	49	53	60	62	62	65	67	61·0	·707	15
67	68	66	69	71	75	79	82	83	82	80	72·5	·817	16
65	64	66	67	69	75	78	79	81	80	80	75·0	·835	17
59	61	64	67	71	77	80	82	83	83	82	75·3	·836	18
65	66	66	69	72	74	76	77	80	82	83	75·4	·854	19
64	61	57	58	60	63	67	70	70	68	68	71·7	·848	20
61	60	61	61	66	72	76	78	81	81	82	69·7	·862	21
67	66	65	69	71	76	78	79	80	81	82	76·5	·932	22
70	69	66	63	68	72	73	75	76	73	74	75·5	·913	23
63	64	61	62	66	72	75	76	77	80	83	73·2	·881	24
68	69	68	71	74	79	82	82	81	82	84	78·4	·933	25
63	64	63	63	67	72	77	78	81	83	85	74·3	·898	26
61	61	60	59	63	70	73	75	77	79	80	74·2	·852	27
65	64	64	65	68	72	74	76	77	77	78	74·4	·870	28
67	66	66	67	71	76	79	79	74	73	81	75·0	·886	29
56	52	57	57	57	63	68	70	72	75	76	67·2	·814	30
62·6	62·2	62·2	63·7	66·3	70·7	73·5	74·8	76·0	76·9	77·9	72·1	·835	Mean.
"	"	"	"	"	"	"	"	"	"	"			
·845	·843	·836	·837	·834	·839	·840	·843	·844	·848	·845			Mean Vapour Pressure.

* Derived from 24 hourly values.

MAY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.												
	0	1	2	3	4	5	6	7	8	9	10	11	12
1	78	79	80	80	82	82	83	79	75	73	70	66	67
2	75	77	80	81	80	81	82	81	74	69	67	64	67
3	77	78	78	77	77	77	77	72	70	68	64	63	61
4	72	74	73	72	71	72	73	69	66	61	58	59	57
5	70	71	73	74	75	76	76	73	70	64	61	60	60
6	79	77	76	75	76	77	78	77	75	72	62	61	61
7	78	78	81	81	83	84	85	79	76	74	70	69	66
8	79	80	80	81	81	81	82	78	74	71	69	71	67
9	84	83	83	83	82	81	85	83	79	79	72	69	65
10	81	81	83	81	80	79	79	77	71	68	67	64	63
11	73	75	75	75	75	75	75	74	69	68	64	62	62
12	79	80	80	81	82	81	81	80	76	78	71	67	67
13	84	83	83	81	83	84	84	79	75	72	70	69	66
14	77	78	78	78	79	80	79	73	69	69	69	66	63
15	75	75	76	77	76	76	79	75	71	70	67	64	63
16	72	73	73	74	74	74	73	71	68	66	64	63	61
17	74	75	75	76	75	76	75	72	69	66	67	65	62
18	72	73	74	73	73	73	72	70	67	65	60	61	60
19	71	73	73	73	74	75	75	70	72	68	63	61	59
20	73	73	74	74	71	72	75	72	71	64	62	60	63
21	72	76	77	78	79	78	78	75	72	70	67	64	61
22	75	77	78	79	80	81	82	77	74	71	67	66	63
23	75	71	77	77	80	82	82	78	76	71	70	67	60
24	74	75	73	75	76	75	77	71	70	64	60	63	60
25	73	74	74	73	72	74	75	69	67	62	63	60	59
26	74	74	74	74	74	74	75	72	71	68	64	62	61
27	74	74	75	75	77	76	77	74	72	68	63	63	60
28	76	75	76	75	76	75	74	70	70	66	64	63	60
29	75	75	75	75	75	75	78	76	76	72	69	66	64
30	74	74	71	74	76	78	76	73	68	67	63	63	61
31	72	73	74	75	76	76	76	74	70	68	67	63	60
Mean	75·4	75·9	76·5	76·7	77·1	77·4	78·0	74·6	71·7	68·8	65·6	64·0	62·2
Mean Vapour Pressure.	″ ·861	″ ·859	″ ·857	″ ·853	″ ·850	″ ·847	″ ·853	″ ·856	″ ·868	″ ·859	″ ·862	″ ·867	″ ·869

JUNE.

1	68	66	67	68	68	69	71	66	64	60	59	57	55
2	66	68	64	63	64	65	65	65	62	57	60	58	56
3	62	64	62	63	67	62	69	63	61	60	57	56	56
4	70	70	66	69	68	69	71	68	65	64	61	58	58
5	73	74	71	70	74	75	74	71	69	67	66	58	60
6	75	75	74	76	75	75	76	74	69	69	65	62	63
7	77	78	77	76	77	76	76	75	74	67	68	65	67
8	76	76	75	76	76	76	77	76	72	68	64	63	60
9	73	72	75	76	75	75	76	75	70	68	65	67	67
10	71	74	72	73	72	74	74	70	69	67	65	64	62
11	71	72	72	73	73	74	74	74	72	74	66	67	68
12	78	79	81	82	82	83	83	81	81	85	90	87	89
13	83	85	85	85	85	85	82	81	77	76	81	76	77
14	86	87	86	86	85	84	83	82	79	77	77	77	77
15	84	84	84	85	83	83	80	79	78	77	77	75	71
16	88	87	86	86	87	91	92	92	92	87	84	82	79
17	93	91	93	93	93	95	93	93	95	91	89	88	88
18	93	91	88	90	89	89	92	90	91	91	92	91	92
19	89	94	90	89	89	88	87	87	86	83	81	81	80
20	84	83	84	84	83	84	85	82	81	80	78	77	76
21	81	81	83	85	84	85	85	83	81	80	77	76	76
22	82	83	81	80	81	82	82	81	78	78	74	70	72
23	79	80	79	81	82	80	78	80	77	73	70	74	73
24	79	78	81	82	81	79	78	77	77	78	74	73	71
25	83	81	79	82	81	84	81	79	77	78	76	74	71
26	85	84	84	78	78	78	81	77	79	77	76	85	77
27	83	84	81	83	80	85	81	80	81	75	78	75	78
28	81	79	81	81	82	82	81	80	79	79	76	75	74
29	83	82	83	81	82	83	84	85	80	79	79	78	78
30	83	81	82	82	83	81	83	82	80	79	79	76	74
Mean	79·3	79·4	78·9	79·3	79·3	79·7	79·8	78·3	76·5	74·8	73·5	72·2	71·5
Mean Vapour Pressure.	″ ·892	″ ·891	″ ·886	″ ·883	″ ·882	″ ·880	″ ·884	″ ·887	″ ·906	″ ·902	″ ·906	″ ·909	″ ·918

MAY. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.											Mean.	Mean Vapour Pressure. *	Date.
13	14	15	16	17	18	19	20	21	22	23			
												"	
65	67	68	63	68	72	74	76	76	77	75	74·2	·897	1
63	66	66	68	72	75	77	77	79	79	77	74·0	·886	2
60	60	62	63	66	70	73	71	72	69	71	69·8	·838	3
55	56	56	57	58	62	64	65	64	67	68	**64·5**	**·768**	4
59	59	60	62	65	70	71	75	77	78	79	69·1	·805	5
59	58	62	64	67	70	71	72	72	75	76	70·5	·816	6
64	63	67	67	71	74	75	74	76	79	79	74·7	·881	7
68	67	70	71	71	74	81	84	87	85	83	**76·5**	·901	8
64	64	64	67	70	74	77	78	79	81	81	76·1	·909	9
63	60	61	61	64	69	70	73	73	74	73	71·5	·853	10
62	59	62	64	69	73	76	78	78	79	79	70·9	·851	11
65	64	65	66	71	78	79	80	80	83	84	75·7	·910	12
63	64	63	63	65	71	72	76	76	77	77	74·2	**·929**	13
63	64	63	65	66	71	74	74	74	74	74	71·7	·895	14
63	63	63	65	68	71	73	73	72	74	73	70·9	·887	15
61	61	63	65	66	70	70	72	71	73	73	68·8	·853	16
61	60	61	65	66	68	68	70	71	74	72	69·3	·878	17
57	58	57	58	62	65	67	69	70	71	71	66·6	·830	18
57	57	57	60	61	67	68	68	69	70	72	67·2	·827	19
61	58	62	64	68	72	71	74	75	75	73	69·0	·850	20
60	60	58	60	63	69	70	73	75	74	78	70·3	·864	21
58	57	58	65	67	73	74	73	74	76	76	71·7	·886	22
54	57	**52**	55	59	69	71	72	71	73	74	69·7	·855	23
60	58	58	60	63	66	69	71	73	74	73	68·3	·834	24
57	58	60	62	66	70	72	73	74	74	74	68·1	·840	25
60	59	60	60	65	67	70	72	72	72	71	68·5	859	26
62	61	62	63	67	70	72	74	75	74	75	70·1	·892	27
59	60	59	62	65	70	72	73	72	75	74	69·2	·884	28
63	63	64	63	66	68	70	71	71	73	74	70·7	·898	29
61	61	62	65	65	69	72	73	73	73	72	69·3	·881	30
59	59	60	61	62	65	67	67	68	70	69	68·0	·867	31
60·8	**60·7**	61·5	63·2	65·9	70·1	71·9	73·3	73·8	74·9	74·8	70·6	·865	Mean
"	"	"	"	"	"	"	"	"	"	"			
·869	·875	·879	**·880**	·878	·878	·872	·872	·868	·872	·863			Mean Vapour Pressure.

JUNE.

55	55	55	56	59	63	65	66	67	67	64	62·9	·783	1
53	54	54	55	57	59	60	59	62	59	60	**60·2**	**·747**	2
55	54	55	54	56	64	65	66	66	68	69	61·4	·770	3
58	60	59	60	63	67	67	70	70	72	73	65·7	·849	4
59	59	60	63	69	71	71	73	73	75	74	68·7	·884	5
61	60	63	66	66	70	73	76	75	76	77	70·5	**·905**	6
66	63	63	63	66	69	71	74	75	76	77	71·5	·915	7
59	59	60	60	63	66	69	71	71	72	74	69·1	·895	8
68	66	65	63	65	68	70	70	70	72	74	70·2	·902	9
60	60	59	60	63	65	70	70	70	70	70	67·7	·888	10
67	66	68	64	77	75	74	76	76	78	78	72·0	·894	11
87	82	86	88	85	84	85	83	81	81	86	83·7	·889	12
72	75	72	75	71	72	74	79	80	81	81	78·7	·888	13
76	73	72	72	72	75	75	75	78	81	81	79·0	·905	14
70	69	70	72	73	78	83	83	82	83	90	78·9	·896	15
76	80	83	86	92	92	89	91	93	91	92	87·4	·928	16
85	87	90	91	91	91	87	89	91	90	90	**90·7**	·930	17
94	92	92	90	91	86	86	91	93	87	85	90·3	·895	18
79	77	77	75	79	81	82	83	84	84	83	83·7	**·976**	19
76	77	75	78	85	79	81	80	81	79	83	80·6	·968	20
75	78	74	78	78	77	79	80	81	80	81	79·9	·967	21
70	71	71	69	72	74	78	77	77	77	81	76·7	·939	22
71	70	72	68	71	70	69	77	76	79	79	75·3	·891	23
71	73	71	71	74	74	77	78	79	77	83	76·5	·912	24
71	68	69	73	72	78	77	75	76	78	81	76·8	·909	25
82	81	81	87	94	85	83	85	83	80	80	81·7	·901	26
81	75	75	78	78	79	78	78	79	82	82	79·5	·931	27
74	74	73	73	76	83	83	80	81	82	82	78·8	·934	28
76	75	74	76	76	79	79	82	81	82	80	79·9	·948	29
73	73	73	74	76	78	76	84	82	82	81	79·0	·944	30
70·7	**70·2**	70·4	71·3	73·7	75·1	75·9	77·4	77·8	78·0	79·0	75·9	·899	Mean
"	"	"	"	"	"	"	"	"	"	"			
·913	**·922**	·916	·907	·912	·901	·889	·901	·900	·901	·898			Mean Vapour Pressure.

* Derived from 24 hourly values.

JULY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	81	80	81	79	82	85	83	82	79	81	79	76	76	74
2	81	80	79	80	79	81	85	81	80	82	80	80	81	83
3	84	87	88	88	89	89	89	89	87	92	92	89	89	88
4	87	87	88	87	90	89	90	91	89	86	85	81	86	83
5	81	81	87	86	84	84	83	86	88	85	84	83	89	87
6	91	89	91	92	93	90	92	91	89	85	85	81	81	83
7	92	92	89	88	89	88	92	91	93	91	93	93	93	93
8	88	86	87	88	92	92	90	87	91	89	89	84	86	84
9	90	91	86	92	92	91	90	90	93	91	91	91	91	91
10	94	93	93	93	92	90	94	93	94	93	93	93	92	91
11	91	90	89	89	91	89	89	89	87	88	88	85	83	81
12	86	86	85	83	84	83	88	86	90	84	82	77	79	79
13	83	83	83	88	84	87	90	84	87	83	83	83	82	83
14	86	84	85	89	86	84	86	87	88	88	88	87	85	83
15	85	84	85	84	83	85	85	88	88	83	82	83	80	81
16	88	87	87	87	87	88	88	87	85	82	82	79	80	79
17	84	85	78	87	85	81	87	85	83	80	81	85	83	84
18	81	83	91	88	87	85	86	85	78	81	83	84	82	81
19	84	86	85	83	83	83	85	84	82	82	80	79	79	77
20	83	86	84	85	83	82	81	83	80	79	79	81	80	77
21	85	83	84	84	86	84	83	82	83	83	84	83	83	84
22	86	86	86	86	86	86	88	88	86	85	85	83	81	83
23	85	85	85	85	84	84	86	87	83	79	79	79	78	78
24	89	87	88	85	84	82	82	83	83	79	83	80	82	82
25	85	83	85	83	83	83	83	82	83	81	83	81	79	81
26	86	85	86	89	86	86	86	85	85	83	81	81	82	81
27	85	83	81	84	83	82	83	82	89	89	90	89	83	82
28	86	85	84	88	86	87	89	85	83	81	81	79	81	77
29	88	88	85	85	84	85	84	83	83	83	81	82	79	87
30	83	85	87	88	88	86	85	83	81	82	88	86	83	80
31	90	89	87	88	87	88	87	86	84	84	85	81	79	79
Mean	86·1	85·8	85·8	86·5	86·2	85·8	86·7	85·9	85·6	84·3	84·5	83·1	82·8	82·5
Mean Vapour Pressure.	·901	·898	·895	·897	·898	·894	·899	·900	·908	·913	·932	·926	·926	·927

AUGUST.

1	81	82	81	82	82	82	85	85	83	81	80	80	88	89
2	81	83	83	82	85	85	86	88	88	84	83	86	86	81
3	85	86	84	85	83	83	82	86	82	84	85	83	80	81
4	84	85	85	84	82	81	85	85	88	85	83	87	84	86
5	85	82	85	84	83	83	84	82	87	82	81	80	82	81
6	88	86	86	82	84	84	83	86	81	83	88	84	81	82
7	88	88	86	86	86	85	88	88	87	85	83	81	80	80
8	89	88	86	85	86	86	86	86	84	83	84	83	80	79
9	86	85	84	85	85	84	85	85	84	83	83	81	80	81
10	86	85	85	85	83	83	83	83	84	82	81	76	77	75
11	85	82	85	78	87	86	85	80	84	81	79	77	77	76
12	83	84	87	86	86	85	85	84	83	80	77	77	76	74
13	84	83	83	84	83	83	83	83	81	79	77	76	76	74
14	84	88	84	85	83	83	84	80	89	89	85	81	79	78
15	85	84	83	84	85	85	85	85	84	81	78	77	83	78
16	84	83	83	80	83	82	82	86	82	81	77	77	76	74
17	84	82	83	83	84	82	83	85	84	81	81	79	73	75
18	78	81	83	80	84	81	81	80	76	76	77	77	75	73
19	82	80	83	78	76	78	80	79	83	78	81	79	80	77
20	83	80	81	79	81	82	83	86	85	84	79	78	73	69
21	77	76	78	80	83	84	86	85	83	80	76	73	75	71
22	87	89	90	90	88	90	89	89	87	82	79	79	79	78
23	92	92	92	93	92	91	91	90	92	92	90	87	84	82
24	89	90	89	91	92	93	94	93	93	95	91	91	87	82
25	84	83	84	85	85	83	84	85	85	83	80	80	79	77
26	84	84	82	89	84	83	85	80	85	89	90	83	84	83
27	89	83	84	82	84	87	88	85	86	87	93	96	95	93
28	87	85	86	85	84	83	84	90	93	92	93	91	88	88
29	93	89	90	91	93	93	89	91	93	94	92	92	89	87
30	93	93	93	90	94	92	93	93	92	90	89	90	89	90
31	92	88	89	88	89	90	90	88	87	86	87	85	86	85
Mean	85·5	84·8	85·1	84·5	85·1	84·9	85·5	85·5	85·6	84·3	83·3	82·1	81·3	80·0
Mean Vapour Pressure.	·872	·863	·862	·856	·859	·857	·863	·867	·884	·892	·897	·893	9·00	·890

JULY. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.										Mean.	Mean Vapour Pressure.*	Date.
14	15	16	17	18	19	20	21	22	23			
											"	
76	76	77	78	78	77	81	80	79	80	**79·2**	·934	1
81	82	85	84	87	82	91	88	87	90	82·9	·909	2
91	90	86	83	82	84	85	85	89	88	87·6	·938	3
83	78	78	77	77	79	81	81	83	82	84·1	·947	4
86	83	84	85	88	88	88	89	90	89	85·7	·941	5
83	85	84	89	89	95	95	93	92	93	88·8	·918	6
94	94	94	91	89	89	89	88	86	84	90·6	·869	7
84	89	84	83	82	88	92	89	90	89	87·6	·860	8
89	89	94	**96**	94	93	94	93	94	92	91·6	**·852**	9
89	93	94	93	91	92	91	90	91	90	**92·2**	·870	10
83	82	83	86	87	84	84	84	88	87	86·5	·952	11
83	79	80	79	83	82	83	82	81	82	82·7	·922	12
81	82	83	82	85	83	85	83	85	85	84·0	·941	13
84	83	85	86	83	84	84	84	85	85	85·4	·936	14
80	80	83	79	81	83	83	83	86	90	83·5	·932	15
82	80	79	82	83	85	85	85	85	85	84·0	·925	16
81	78	78	85	83	82	82	84	85	83	82·9	·903	17
77	78	78	81	80	82	85	84	89	85	83·1	·897	18
77	78	82	80	81	83	84	83	83	83	81·9	·895	19
77	78	79	85	81	80	81	82	83	83	81·3	·891	20
81	80	83	83	85	85	86	87	84	83	83·7	·908	21
86	85	85	84	83	83	83	83	85	85	84·9	·918	22
78	79	79	78	79	81	83	82	88	89	82·2	·910	23
80	80	82	86	85	84	87	87	89	87	84·0	·906	24
85	81	86	87	88	86	88	87	87	87	84·0	·915	25
82	83	83	78	82	85	81	83	83	84	83·6	·900	26
80	79	82	85	81	81	81	81	81	81	83·2	·883	27
79	80	81	81	81	83	88	85	85	86	83·4	·901	28
84	82	79	82	81	82	83	83	83	82	83·3	·896	29
82	82	82	81	86	83	85	83	86	86	84·2	·897	30
77	77	77	78	81	80	81	83	81	81	82·9	·892	31
82·4	**82·1**	82·9	83·5	83·7	84·1	85·5	85·0	85·9	85·7	84·7	·908	Mean.
"	"	"	"	"	"	"	"	"	"			Mean Vapour Pressure.
·926	·920	·916	·913	·908	·898	·901	·897	·903	·901			

AUGUST.

85	83	82	83	83	81	84	86	82	86	83·2	·876	1
87	80	80	83	82	83	84	87	85	84	84·0	·886	2
84	83	83	80	87	83	85	85	83	85	83·6	·874	3
87	83	84	83	83	85	85	84	84	84	84·4	·882	4
82	81	81	85	84	83	86	89	87	87	83·6	·884	5
81	85	83	83	78	83	85	85	86	85	83·8	·871	6
79	75	79	79	82	83	87	88	85	85	84·0	·899	7
77	79	80	79	82	83	81	84	84	84	83·3	·895	8
79	82	82	82	84	85	85	86	86	86	83·7	·906	9
77	77	79	79	82	84	83	83	84	84	81·7	·895	10
76	75	76	78	80	79	80	81	81	83	80·5	·881	11
76	76	79	78	79	80	82	81	81	82	80·9	·886	12
72	**67**	73	77	78	80	80	81	77	80	78·9	·866	13
76	76	75	77	79	80	83	83	84	83	82·0	·881	14
76	77	78	80	81	83	83	85	83	83	81·9	·888	15
73	72	74	75	77	79	80	81	81	82	79·3	·869	16
75	75	76	77	77	78	79	77	83	81	79·9	·863	17
78	73	77	76	79	77	75	78	80	83	78·3	·868	18
74	72	76	77	81	79	79	81	82	81	79·0	·846	19
69	68	68	68	70	72	77	77	80	78	**77·1**	**·829**	20
71	68	73	75	74	76	77	78	81	85	77·7	·844	21
76	80	83	83	81	80	78	83	84	89	83·9	·876	22
80	79	80	81	86	88	90	91	89	90	88·1	**·910**	23
87	85	82	80	87	85	85	82	82	83	87·8	·890	24
76	77	76	76	81	78	81	80	83	84	81·2	·871	25
86	83	80	84	92	88	93	93	92	91	86·1	·858	26
93	92	91	92	90	88	87	87	87	85	88·5	·841	27
88	86	86	89	90	93	93	92	92	93	88·8	·852	28
91	89	88	93	93	93	89	93	93	93	91·3	·875	29
87	87	89	89	86	92	91	91	89	90	90·5	·885	30
83	83	83	85	86	87	89	90	89	89	87·3	·893	31
80·0	79·1	79·9	80·8	82·4	82·8	83·7	84·6	84·5	85.1	83·4	·876	Mean.
"	"	"	"	"	"	"	"	"	"			Mean Vapour Pressure.
·899	·884	·882	·878	·870	·868	·867	·871	·870	·870			

*Derived from 24 hourly values.

SEPTEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	90	91	90	89	89	90	93	93	93	93	90	87	84	83
2	89	91	89	90	89	90	91	90	87	87	83	82	79	81
3	86	87	87	86	89	89	91	93	91	86	89	82	82	78
4	90	90	89	86	89	86	84	86	86	86	79	79	77	76
5	81	82	81	83	81	82	82	82	83	80	79	78	78	90
6	92	92	92	93	91	91	91	85	87	83	86	83	91	89
7	85	84	89	90	90	91	92	91	91	95	92	93	89	92
8	83	84	92	93	94	94	93	92	91	89	85	90	84	79
9	87	85	84	80	80	82	82	82	81	87	83	79	77	76
10	88	90	90	84	82	83	87	81	84	80	80	76	73	74
11	85	91	92	87	85	86	87	88	89	86	85	85	82	82
12	92	90	91	93	92	90	93	93	91	89	88	88	87	85
13	91	91	90	93	93	94	93	93	91	91	89	83	79	78
14	90	90	88	88	89	84	85	84	81	81	81	80	77	85
15	87	86	86	86	89	85	85	91	89	85	83	81	81	79
16	91	91	89	90	89	91	92	93	94	89	88	84	81	79
17	87	87	88	85	89	89	91	90	89	86	83	79	79	78
18	86	88	87	89	86	90	93	91	93	93	91	91	88	88
19	92	92	92	92	93	93	93	92	91	89	87	87	81	81
20	89	90	88	89	91	88	90	91	90	87	84	81	79	78
21	94	93	94	94	93	93	93	93	93	91	90	87	85	85
22	89	91	90	90	91	91	91	92	90	87	86	87	86	82
23	88	88	89	89	89	90	91	91	87	84	83	87	85	80
24	84	85	86	88	88	87	80	82	83	83	83	79	81	79
25	92	91	91	88	91	88	89	88	84	83	83	82	74	77
26	88	89	91	90	92	91	91	92	90	89	86	85	84	82
27	93	93	94	93	94	94	95	94	92	91	90	89	86	86
28	94	95	93	94	94	94	95	91	89	92	86	84	80	81
29	92	90	91	91	90	91	90	91	88	86	84	83	83	83
30	89	89	88	89	91	92	93	91	89	86	82	77	77	77
Mean	88·8	89·2	89·4	89·1	89·4	89·3	**89·9**	89·5	88·6	87·1	85·3	83·6	81·6	81·4
Mean Vapour Pressure.	·863	·859	·860	·853	·859	·853	**·850**	·858	·879	·894	·895	·894	·892	·899

OCTOBER.

1	84	84	86	86	85	87	87	86	84	79	73	73	71	71
2	84	83	84	84	86	86	89	87	86	84	81	79	77	77
3	87	86	86	86	87	88	90	91	87	86	86	81	79	77
4	86	82	84	86	85	82	84	84	81	80	79	79	79	79
5	83	79	78	77	74	73	73	74	74	72	69	68	67	69
6	74	74	73	74	73	73	73	73	73	70	69	65	62	61
7	76	77	84	86	87	86	86	86	82	80	77	86	77	75
8	83	84	86	88	88	90	90	88	86	82	78	71	68	64
9	82	82	86	85	85	86	85	85	82	76	74	71	69	68
10	77	77	77	78	82	84	86	85	83	82	82	79	73	71
11	85	84	84	87	87	88	89	89	88	87	85	79	78	77
12	87	87	89	90	91	90	**92**	91	91	90	88	86	85	83
13	90	90	90	90	90	89	90	90	88	83	81	80	80	81
14	89	89	89	86	84	83	82	83	80	76	74	69	68	66
15	85	90	89	88	89	88	88	86	86	84	79	75	74	71
16	82	84	85	86	85	86	86	86	82	77	77	75	72	71
17	84	84	84	81	82	83	83	81	80	78	74	73	71	71
18	86	86	87	87	85	82	81	81	81	80	80	74	69	70
19	82	83	83	84	86	87	89	89	86	89	77	79	72	69
20	84	84	87	87	89	88	88	86	83	81	79	75	72	71
21	76	86	84	85	83	84	87	85	80	74	70	59	54	46
22	72	75	73	76	74	72	79	75	68	59	59	58	50	44
23	73	65	64	70	68	76	77	78	71	70	65	58	47	61
24	73	70	73	77	76	77	78	80	74	69	61	59	56	46
25	72	80	68	63	66	75	78	80	80	74	66	53	50	56
26	81	82	75	70	74	80	80	78	75	64	63	59	50	62
27	75	66	75	75	77	74	76	73	73	69	59	52	53	41
28	82	74	79	79	80	81	73	72	67	66	65	56	44	39
29	81	80	86	84	80	70	83	83	80	74	68	54	65	64
30	82	86	84	84	84	81	82	78	65	59	57	64	48	41
31	82	88	83	84	84	80	82	78	69	62	63	54	47	**35**
Mean	81·3	81·3	81·8	82·0	82·1	82·5	**83·4**	82·6	79·5	76·0	72·8	69·1	65·4	63·8
Mean Vapour Pressure.	·785	·777	·776	·772	·766	·765	·769	·776	·785	·787	·792	·780	·768	**·757**

SEPTEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.										Mean.	Mean Vapour Pressure.*	Date.
14	15	16	17	18	19	20	21	22	23			
											"	
84	82	83	88	89	84	87	87	86	88	88·0	·899	1
75	81	80	79	82	85	87	88	87	87	85·4	·893	2
78	78	79	78	79	80	81	88	86	86	81·[illegible]	·860	3
77	79	80	77	80	80	83	84	74	77	82·[illegible]	·847	4
87	87	85	89	89	91	85	87	89	88	84·1	·857	5
83	87	89	84	87	88	87	85	87	87	87·9	·877	6
92	94	87	87	86	87	85	83	85	81	88·8	·862	7
78	77	77	83	83	86	84	84	83	82	85·8	·865	8
73	75	75	77	80	79	85	84	81	81	**80·6**	·838	9
74	80	76	78	75	79	88	88	89	84	81·8	·848	10
90	91	91	88	87	89	89	91	89	88	87·6	·835	11
82	81	81	84	83	84	91	91	91	91	88·4	·857	12
77	85	86	84	85	86	87	84	84	90	87·4	·870	13
80	83	79	79	82	81	85	83	91	90	84·0	·866	14
79	78	78	78	83	82	83	85	88	89	84·0	·866	15
78	77	84	89	87	87	85	84	82	86	86·7	·846	16
76	76	77	78	81	79	83	85	85	**87**	83·6	·863	17
89	87	86	87	87	89	90	91	91	91	89·3	·880	18
78	79	77	79	81	83	89	88	87	87	86·8	·899	19
77	78	83	86	88	89	92	93	93	93	87·0	·877	20
83	83	81	81	83	85	87	88	89	90	88·7	·890	21
79	77	77	77	80	80	82	85	87	87	85·6	·894	22
78	76	76	79	81	83	83	83	85	85	84·6	·915	23
78	75	73	71	79	81	83	85	89	92	82·3	·864	24
80	78	77	81	84	85	86	87	88	88	84·8	·888	25
81	81	83	88	91	88	88	93	92	92	88·2	**·923**	26
85	84	87	90	92	93	94	93	93	94	**91·2**	·898	27
84	84	79	79	82	88	89	92	90	91	88·3	·853	28
81	75	75	77	81	83	83	86	86	89	85·4	·871	29
77	75	71	72	74	75	78	78	80	81	82·1	**·827**	30
80·4	80·8	80·4	81·6	83·4	84·3	86·0	86·8	86·9	87·4	85·8	·871	Mean.
" **·901**	" ·895	" ·880	" ·864	" ·861	" ·858	" ·863	" ·862	" ·859	" ·852	"		Mean Vapour Pressure.

OCTOBER.

											"	
72	71	73	76	78	79	80	81	82	84	79·7	·814	1
77	75	75	78	80	85	87	86	87	87	82·7	·868	2
76	76	78	79	80	83	87	87	87	88	84·1	·899	3
78	77	77	69	71	72	70	72	83	85	79·3	·835	4
70	71	70	75	67	73	70	71	73	73	72·6	·748	5
63	65	62	63	68	71	76	73	74	75	69·9	·737	6
76	72	68	71	73	79	79	79	79	81	79·3	·753	7
65	65	67	67	70	71	72	73	75	77	77·0	·768	8
70	70	72	76	77	77	78	78	78	77	77·9	·799	9
71	71	73	74	77	80	83	84	85	87	79·2	·831	10
76	75	72	73	79	81	82	83	85	85	82·4	·885	11
75	75	78	79	81	84	83	87	88	89	85·8	**·920**	12
81	83	85	86	85	85	81	87	88	88	**86·0**	·891	13
68	70	68	72	76	81	84	84	85	86	78·8	·830	14
67	68	68	73	74	77	78	80	79	79	79·8	·815	15
70	72	71	73	78	78	79	81	81	83	79·2	·814	16
73	73	75	80	79	81	83	82	84	84	79·3	·824	17
71	70	69	73	76	76	75	77	80	82	78·3	·799	18
65	64	65	69	73	75	78	82	83	82	78·8	·790	19
70	70	71	74	77	77	77	78	76	77	79·2	·821	20
41	46	49	55	65	70	70	71	72	74	69·4	·753	21
44	59	63	69	71	74	76	66	60	76	66·6	·697	22
60	64	65	67	69	74	74	73	76	74	68·0	·688	23
39	45	66	73	77	78	79	78	72	70	68·6	·709	24
62	60	65	68	73	76	79	82	79	77	70·1	·719	25
66	62	66	70	73	74	65	65	54	69	69·0	·699	26
39	46	49	62	72	73	72	73	73	80	**65·7**	·675	27
53	55	64	72	78	74	81	78	[illegible]	84	69·9	·711	28
59	65	60	67	72	74	82	84	[illegible]	82	74·7	·741	29
40	66	71	75	76	81	80	80	81	79	71·8	·713	30
39	43	44	54	67	62	76	78	77	75	66·9	·671	31
63·7	65·9	67·7	71·4	74·6	76·6	78·1	78·5	78·9	80·3	75·8	·781	Mean
" ·766	" ·784	" ·787	" ·788	" ·793	" ·800	" ·803	" ·795	" ·786	" ·787			Mean Vapour Pressure.

*Derived from 24 hourly values.

NOVEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours.													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	75	76	79	77	81	82	83	82	79	74	65	59	53	47
2	87	92	73	76	78	71	72	72	67	69	67	59	63	64
3	79	81	82	87	79	87	86	86	82	75	68	60	61	59
4	78	79	81	79	83	84	77	76	77	75	69	61	58	63
5	75	80	84	81	80	69	64	69	62	56	58	54	50	50
6	76	75	85	80	77	79	82	81	74	72	67	61	50	63
7	70	66	75	71	73	75	75	75	73	68	64	58	51	57
8	58	67	65	61	59	57	59	60	59	56	54	49	43	41
9	61	70	62	59	66	67	67	64	62	61	53	48	45	43
10	79	77	84	81	79	79	81	81	75	67	65	62	50	45
11	80	80	72	76	74	73	80	83	74	71	63	54	48	44
12	79	81	83	78	79	79	85	83	75	67	64	51	44	41
13	78	82	86	83	83	83	81	81	76	68	63	59	50	55
14	81	83	88	86	86	84	84	80	75	75	65	55	52	58
15	81	77	84	82	73	76	74	76	66	54	55	55	41	41
16	81	81	81	83	76	76	77	73	71	64	57	53	42	56
17	66	66	71	65	62	69	73	73	69	59	55	54	52	50
18	73	76	63	73	75	73	74	69	67	60	54	48	44	43
19	55	51	52	61	58	66	64	66	70	67	56	51	41	39
20	68	73	68	63	65	69	72	76	63	55	52	49	44	46
21	54	66	61	59	67	72	69	53	53	52	47	50	56	57
22	73	76	77	75	68	70	73	73	73	73	64	68	67	71
23	88	89	88	87	88	89	89	88	88	84	80	68	52	50
24	78	85	82	80	81	85	86	86	83	79	74	73	72	67
25	68	70	70	73	72	79	78	81	77	76	68	63	58	60
26	77	81	79	81	82	79	79	81	72	67	63	57	54	50
27	62	60	59	60	57	60	62	61	57	52	49	44	42	36
28	75	59	54	56	62	59	63	61	60	54	50	51	40	35
29	80	75	77	79	75	73	69	68	68	65	61	60	48	43
30	70	76	78	76	79	76	77	75	78	71	66	58	48	45
Mean	73·5	75·0	74·8	74·3	73·9	74·7	75·2	74·4	70·8	66·2	61·2	56·4	50·6	51·1
Mean Vapour Pressure.	" ·635	" ·638	" ·632	" ·620	" ·609	" ·606	" ·606	" ·607	" ·613	" ·614	" ·618	" ·608	" ·578	" ·594

DECEMBER.

1	79	76	87	85	80	81	83	84	81	69	64	54	56	45
2	84	84	88	85	85	82	85	86	75	78	67	58	57	58
3	74	75	75	76	75	77	74	75	76	71	65	62	53	47
4	67	76	77	78	75	75	75	72	71	74	62	58	45	38
5	78	77	70	87	83	80	82	82	80	72	68	67	53	47
6	80	82	82	81	81	83	80	82	76	72	67	66	53	51
7	80	82	85	83	83	85	86	87	83	79	73	70	63	62
8	76	74	78	81	81	79	78	76	73	75	73	75	72	71
9	81	81	83	83	81	83	84	82	81	79	76	74	69	68
10	80	83	86	86	85	86	86	88	83	81	75	68	65	59
11	63	62	65	66	61	64	61	61	71	57	55	55	63	54
12	71	71	70	72	72	80	80	77	78	75	70	67	67	62
13	85	88	85	83	84	85	86	85	85	81	73	62	72	73
14	86	86	88	89	87	83	81	83	78	71	62	59	59	56
15	77	72	73	72	76	76	74	76	74	69	59	57	56	53
16	77	80	81	79	80	75	74	79	70	70	67	62	48	48
17	84	82	84	85	84	85	88	87	85	76	73	71	55	60
18	88	87	84	88	90	89	88	87	82	78	69	62	68	66
19	80	85	87	83	81	80	74	75	83	63	67	65	63	62
20	83	81	82	79	80	80	82	83	81	77	73	63	49	44
21	74	73	73	72	66	75	75	76	76	72	68	54	53	51
22	72	81	70	75	72	75	78	73	70	60	61	59	50	44
23	65	63	70	76	75	78	77	76	72	69	67	53	48	53
24	76	77	79	80	77	78	76	73	81	72	69	65	52	39
25	72	73	74	68	70	71	75	78	80	68	66	51	52	49
26	62	69	78	82	80	73	77	81	77	72	67	60	50	46
27	83	79	76	71	73	70	77	72	74	68	59	56	54	50
28	79	82	76	76	77	78	79	73	73	72	67	61	41	43
29	79	70	82	81	81	79	79	79	79	75	72	64	48	40
30	88	91	90	88	88	87	82	83	74	72	59	53	52	60
31	82	85	86	82	83	82	85	78	80	75	68	61	55	51
Mean	77·6	78·3	79·5	79·7	78·9	79·2	79·4	79·0	77·5	72·3	67·1	61·7	55·8	53·2
Mean Vapour Pressure.	" ·632	" ·627	" ·631	" ·628	" ·616	" ·607	" ·605	" ·599	" ·615	" ·608	" ·614	" ·604	" ·583	" ·575

NOVEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Hours.										Mean.	Mean Vapour Pressure.*	Date.
14	15	16	17	18	19	20	21	22	23			
											"	
60	64	70	76	77	79	79	84	86	87	73·9	·738	1
66	69	69	78	80	80	82	80	70	80	73·5	·726	2
66	65	71	76	80	80	84	85	86	85	77·1	·756	3
63	64	66	69	73	67	77	78	76	73	72·7	·744	4
63	57	64	70	74	80	82	80	78	72	68·8	·713	5
61	60	65	68	73	73	73	68	67	68	70·7	·692	6
66	66	69	75	72	73	71	73	71	67	68·9	·665	7
54	53	52	62	64	66	71	67	65	64	58·6	·569	8
51	54	60	62	69	68	66	71	75	80	61·8	·583	9
31	61	69	74	75	77	73	77	68	70	70·3	·659	10
61	65	69	73	81	84	81	71	70	75	70·9	·679	11
58	64	65	71	73	76	78	78	69	75	70·7	·673	12
65	65	62	72	75	73	76	77	72	80	72·7	·670	13
59	55	56	62	71	78	81	85	76	79	73·1	·655	14
42	59	63	69	72	75	79	78	81	80	68·0	·630	15
56	55	61	58	64	58	62	62	64	59	65·4	·581	16
52	51	58	62	63	63	67	72	67	70	63.1	·551	17
48	51	61	63	64	66	65	64	61	59	62·3	·554	18
41	45	49	60	65	63	66	63	67	65	57·5	·509	19
42	45	51	55	61	65	63	64	59	58	59·4	·499	20
59	61	68	72	70	73	68	71	73	73	62·7	·568	21
77	78	88	88	88	85	84	83	85	87	76·8	·734	22
58	62	63	69	74	77	73	73	72	78	76·1	·749	23
74	67	74	76	76	67	72	72	72	67	76·2	·728	24
71	73	78	80	78	81	81	80	80	77	74·2	·714	25
67	71	68	76	76	74	68	70	68	67	71·1	·684	26
34	32	50	63	69	72	71	71	72	74	57·0	·523	27
44	53	64	59	64	65	70	74	70	73	59·0	·497	28
47	54	54	64	67	69	73	74	71	70	66·0	·561	29
49	47	54	62	68	75	77	79	79	80	68·5	·589	30
56·4	58·9	63·7	68·8	71·9	72·7	73·8	74·1	72·3	73·1	68·2	·640	Mean
"	"	"	"	"	"	"	"	"	"			
·651	·660	·679	·694	·703	·700	·702	·692	·656	·640			Mean Vapour Pressure.

DECEMBER.

38	40	68	67	75	79	77	81	83	84	71·5	·627	1
66	67	67	69	75	76	77	69	63	69	73·7	·633	2
56	65	67	70	75	71	71	64	70	68	68·8	·613	3
39	32	64	72	74	75	76	78	81	84	67·4	·593	4
46	54	57	63	64	75	78	75	78	78	70·6	·589	5
55	58	60	63	70	71	74	78	79	79	71·8	·595	6
68	74	74	70	73	74	74	70	74	74	76·1	·635	7
69	66	69	75	80	80	77	79	80	81	75·7	·662	8
65	66	67	68	71	74	76	78	79	79	76·2	·642	9
57	59	63	65	60	59	61	61	58	64	71·6	·579	10
57	57	61	64	66	67	67	69	71	73	62·5	·492	11
62	61	63	66	76	81	84	86	83	82	73·2	·609	12
70	75	74	79	84	84	86	86	82	85	80·6	·719	13
62	65	67	74	75	73	73	70	68	77	73·8	·688	14
61	69	73	77	75	76	73	75	75	74	70·5	·670	15
62	62	67	78	80	83	82	75	70	76	71·9	·673	16
65	67	72	77	83	83	84	84	85	87	78·6	·697	17
65	68	71	72	76	77	79	81	86	84	78·5	·681	18
63	61	65	72	77	80	80	82	83	79	74·6	·644	19
57	62	60	69	71	75	74	68	63	72	71·2	·642	20
51	54	57	65	70	71	77	72	69	69	67·2	·615	21
58	59	61	67	73	75	76	69	66	65	67·0	·609	22
56	66	58	67	73	75	77	75	74	72	68·1	·624	23
38	60	68	79	76	77	75	70	62	63	69·3	·632	24
49	54	63	68	73	78	80	79	75	70	68·2	·603	25
58	64	67	70	72	74	72	73	74	75	69·7	·609	26
54	60	62	68	71	75	79	73	66	73	68·5	·602	27
44	59	67	71	76	82	82	79	79	80	70·7	·625	28
60	63	64	76	80	80	81	82	84	86	73·5	·670	29
60	58	67	74	78	80	79	77	76	69	74·4	·683	30
63	62	63	68	76	79	75	70	77	78	73·5	·654	31
57·2	60·9	65·4	70·4	74·1	76·1	76·6	75·1	74.6	75·8	71·9	·633	Mean
"	"	"	"	"	"	"	"	"	"			
·627	·654	·678	·687	·695	·695	·687	·655	·633	·626			Mean Vapour Pressure.

*Derived from 24 hourly values.

Notation : H=High clouds (Ci, Ci-S.) ; M=Medium clouds (Ci-Cu,

JANUARY.

Day.	Cloud Forms. (Coming from) 8½h. H.	M.	L.	12½h. H.	M.	L.	16½h. H.	M.	L.	Cloud Amount (All Forms). 6h	8h	10h	12½h	14h	16h	22h
1	..	..	..	†	..	..	..	†	..	1	0	0	2	3	3	0
2	..	..	..	..	..	..	..	..	†	0	0	0	0	0	1	0
3	..	..	W	..	..	SW	..	..	SW	9	7	6	2	7	7	2
4	†	..	..	..	..	..	..	..	..	1	3	0	0	0	0	0
5	..	..	..	‡	..	..	‡	..	*	0	0	0	2	6	7	0
6	..	..	..	‡	..	..	‡	..	..	0	0	1	1	2	2	0
7	..	..	†	..	..	S	..	..	†	2	1	7	4	2	2	4
8	..	..	W	..	..	SW	..	..	†	6	4	7	6	2	1	0
9	..	..	SSW	..	..	SSW	†	..	*	7	7	5	2	3	2	0
10	..	..	NNW	SSW	..	..	‡	..	..	4	8	3	3	3	2	0
11	WSW	..	..	SW	..	..	WSW	..	..	4	7	6	7	5	3	0
12	..	..	..	..	..	..	†	..	..	0	0	0	0	0	0	0
13	‡	..	..	†	..	..	†	..	..	0	3	2	1	2	2	1
14	WNW	..	..	W	..	..	WNW	..	..	4	3	1	4	3	4	0
15	..	..	..	SW	..	..	W	..	..	2	0	0	4	4	3	2
16	..	..	..	..	..	..	†	..	..	0	0	0	0	1	2	1
17	..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0
18	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
19	‡SW	..	..	‡SW	..	..	SW	..	..	5	8	7	6	7	2	1
20	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
21	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
22	..	..	..	..	..	..	†	..	..	0	0	0	0	4	1	4
23	†	..	..	..	..	..	..	..	..	7	1	1	0	0	0	0
24	WNW	..	..	NW	..	..	WNW	..	..	0	1	0	5	3	2	1
25	..	W	..	..	W	..	WNW	..	..	9	9	7	7	5	4	5
26	..	W	..	WSW	..	..	..	†	..	7	9	8	3	2	1	0
27	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0
28	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
29	..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0
30	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
31	..	..	..	WSW	..	..	†	..	..	0	0	0	2	4	2	0
Mean cloud amount.										2·2	2·3	2·0	2·0	2·2	1·7	0·7

MARCH.

1	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
2	..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0
3	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
4	..	†	..	..	†	..	..	..	..	5	4	0	1	2	0	0
5	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
6	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
7	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
8	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
9	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
10	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
11	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
12	NW	..	..	WSW	..	..	..	..	SW	2	1	2	3	4	5	0
13	..	SW	..	†	..	..	..	..	..	7	2	6	1	0	0	0
14	..	†	..	..	..	..	..	..	..	2	3	1	0	0	2	0
15	..	..	..	†	..	..	..	SSW	..	1	0	0	1	2	4	0
16	..	E	..	..	..	..	..	..	..	3	1	0	0	0	0	6
17	..	..	W	..	..	NNE	..	..	SW	9	7	5	7	5	9	7
18	..	†	..	..	..	..	..	..	NW	1	1	0	0	0	0	1
19	..	..	†	..	..	..	..	..	†	7	3	0	0	1	1	7
20	..	..	E	..	..	SW	WNW	..	..	6	9	2	4	2	1	6
21	..	..	SSW	..	SSW	..	..	†	..	6	3	5	3	5	5	5
22	‡	..	..	..	..	..	..	..	..	4	3	2	0	0	0	0
23	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	1
24	..	..	..	†	..	..	..	..	..	0	0	0	1	0	0	1
25	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	2
26	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	2
27	..	..	SSW	..	..	..	..	*	..	9	6	2	0	0	2	0
28	..	†	..	..	SSW	..	..	*	..	4	1	1	2	1	2	0
29	..	†	..	..	..	SSW	..	†	..	1	1	3	2	1	2	1
30	..	..	SSW	..	..	..	..	..	..	5	5	0	0	3	0	0
31	..	..	..	†	..	..	..	..	†	1	1	1	1	3	1	0
Mean cloud amount.										2·4	1·7	1·0	0·8	0·9	1·1	1·3

..No cloud.
†Scattered on the horizon.
‡Haze.
*At low angle.

A-Cu, A-S) ; L=Low clouds (Cu, C~~u~~-N, S, N~~s~~).

FEBRUARY.

Cloud Forms. (Coming from)									Cloud Amount (All Forms).							Day.
8½h.			12½h.			16½h.										
H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	14h.	16h.	22h.	
†	..	..	..	..	..	..	..	..	0	2	0	0	0	0	0	1
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	2
..	NW	..	..	..	..	..	..	..	0	3	1	0	0	0	0	3
..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0	4
†	..	..	†	..	..	†	..	..	1	1	2	1	2	2	0	5
..	..	..	..	..	..	..	WSW	..	0	0	0	0	4	0	2	6
..	WNW	..	..	..	W	..	..	†	5	4	4	9	7	3	6	7
..	..	..	..	..	..	..	..	..	1	0	2	0	0	0	0	8
..	..	WSW	..	..	W	..	..	..	8	9	3	8	4	0	1	9
..	..	W	..	..	W	..	..	WNW	5	7	2	6	3	3	1	10
‡	..	..	..	..	..	..	..	..	2	2	0	0	0	0	0	11
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	12
..	..	..	..	..	..	..	..	..	0	2	0	0	0	0	0	13
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	14
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	15
‡	..	..	..	..	..	‡	..	..	3	3	0	0	0	2	0	16
..	SW	..	..	..	..	..	..	..	3	3	4	0	0	0	0	17
..	WSW	..	..	†	..	..	..	..	2	2	2	1	0	0	7	18
..	..	..	..	..	..	..	..	..	3	1	0	0	0	0	0	19
..	..	..	..	..	..	†	..	..	1	0	0	0	0	1	6	20
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	21
..	..	..	‡	..	..	..	..	..	2	1	0	2	0	0	0	22
WSW	..	..	‡	..	..	SW	..	..	2	6	7	9	8	8	2	23
‡	..	..	‡	..	..	‡	..	..	3	6	2.	7	7	6	1	24
..	†	..	..	..	..	..	SW	..	3	1	1	0	0	1	0	25
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0	26
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	27
..	..	..	..	..	..	..	..	†	0	0	0	0	0	1	0	28
..	†	..	..	..	..	..	SSW	..	4	1	1	0	0	2	0	29
									1·7	1·9	1·2	1·6	1·2	1·0	0·9	Mean cloud amount.

APRIL.

..	†	..	..	†	..	..	..	†	7	4	1	1	1	1	1	1
..	..	SW	..	..	SSW	..	..	WSW	8	4	6	8	3	2	0	2
..	..	S	..	..	SSW	..	..	SW	10	8	8	9	5	7	3	3
..	NE	..	..	†	..	..	..	†	8	7	2	1	0	1	0	4
*	..	..	..	..	SW	..	..	†	1	1	1	3	3	1	1	5
..	..	..	..	..	..	..	†	..	1	0	0	0	0	1	0	6
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0	7
*	..	..	‡	..	..	..	..	..	1	3	1	1	1	0	1	8
..	†	..	..	..	..	..	..	..	6	3	0	0	0	0	0	9
†	..	..	..	SW	..	..	WSW	..	4	3	5	5	5	6	4	10
..	..	WNW	..	..	..	..	..	..	7	7	1	0	0	0	0	11
..	..	NNW	..	..	..	..	..	..	4	5	2	0	0	0	0	12
..	†	..	..	..	..	..	..	..	2	1	1	0	0	0	0	13
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	14
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	15
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	8	16
..	..	†	..	..	..	..	..	..	5	3	0	0	0	0	5	17
..	..	†	..	..	..	..	..	..	2	3	0	0	0	0	7	18
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	6	19
..	..	..	..	..	..	..	..	..	1	0	0	0	0	1	2	20
..	NE	..	..	..	..	..	..	..	6	5	3	0	0	0	0	21
..	†	..	..	..	..	..	..	..	1	2	1	0	0	0	0	22
..	SW	..	..	†	..	..	WSW	..	2	5	5	1	6	2	4	23
..	SW	..	..	..	..	..	..	..	3	5	1	0	0	0	0	24
..	..	..	..	..	..	..	..	..	0	0	7	0	0	0	0	25
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	26
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0	27
..	..	†	..	..	..	..	..	..	7	2	1	0	0	0	0	28
..	..	..	..	..	..	..	..	..	1	1	0	0	0	0	0	29
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	30
									3·0	2·4	1·5	1·0	0·8	0·7	1·4	Mean cloud amount.

..No cloud.
†Scattered on the horizon,
‡Haze.
*At low angle.

Notation ; H=High clouds (Ci, Ci-S.) ; M=Medium clouds (ci-cu,

MAY.

Day.	Cloud Forms. (Coming from.)									Cloud Amount (All Forms).						
	8½h.			12½h.			16½h.			6h.	8h.	10h.	12½h.	14h.	16h.	22h.
	H.	M.	L.	H.	M.	L.	H.	M.	L.							
1	..	†	..	..	..	..	..	..	..	6	4	3	0	0	0	0
2	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
3	..	..	†	..	..	†	..	..	..	7	4	4	1	0	0	1
4	..	..	SW	..	†	..	..	†	..	3	2	3	1	2	1	0
5	..	..	ESE	..	..	..	..	..	..	4	5	3	0	0	0	0
6	..	..	W	..	..	..	..	..	..	4	3	4	0	0	0	2
7	..	..	NE	..	..	..	†	..	..	3	3	2	0	0	3	2
8	..	..	†	..	..	..	..	..	..	5	5	1	0	0	0	2
9	..	..	NW	..	†	..	..	..	..	2	5	2	2	1	0	2
10	..	..	NNW	..	..	NW	..	†	..	5	4	5	6	3	1	6
11	..	..	NNW	..	..	..	..	..	..	6	3	0	0	0	0	6
12	..	..	NW	..	..	..	..	..	..	2	8	5	0	0	0	1
13	..	..	†	..	..	..	..	..	..	5	3	5	0	0	0	7
14	..	..	WSW	..	..	W	..	W	..	4	4	4	5	4	3	2
15	..	..	SW	..	..	†	..	..	..	5	4	2	1	1	0	8
16	..	..	W	..	..	†	..	..	†	4	3	3	1	1	3	2
17	..	..	SSW	..	..	†	..	..	†	4	5	3	2	1	4	7
18	..	†	..	..	†	..	..	..	SW	3	2	1	1	2	3	3
19	..	..	NNW	..	†	..	..	..	..	3	4	4	2	0	0	1
20	..	..	NNW	..	†	..	..	†	..	6	5	3	1	1	1	0
21	..	..	NNW	‡	..	..	..	..	..	4	6	3	2	2	1	0
22	..	NNW	..	..	..	..	..	..	..	0	3	1	0	0	0	0
23	..	..	..	..	..	..	..	..	..	1	0	1	0	0	0	0
24	..	..	†	..	WNW	..	..	..	..	2	2	0	2	0	1	1
25	..	..	NNE	..	..	..	..	..	..	5	5	2	0	0	0	2
26	..	..	W	..	†	..	..	..	W	3	3	5	2	2	4	1
27	..	..	NNW	..	..	†	..	..	W	3	3	2	2	0	3	1
28	..	..	NNW	..	..	WNW	..	..	WNW	5	6	5	7	5	7	1
29	..	..	W	..	..	WSW	..	..	W	2	9	6	3	4	6	1
30	..	..	SW	‡	..	..	‡	..	..	2	2	2	2	3	6	1
31	..	..	S	..	..	..	‡	..	..	2	4	4	0	0	4	0
Mean cloud amount.										3·5	4·0	2·8	1·4	1·0	1·6	1·9

JULY.

1	..	..	§	..	..	WSW	..	..	§	9	10	9	9	10	10	7
2	..	..	NNW	..	..	§	..	..	§	7	9	10	10	10	10	10
3	..	..	§	..	..	§	..	..	W	10	10	10	10	10	9	6
4	..	..	SW	..	..	SSW	‡	..	..	10	9	5	8	8	7	6
5	..	..	WSW	..	..	SW	..	..	*	10	10	9	9	10	6	9
6	..	..	§	..	..	§	..	..	§	10	9	10	10	10	10	10
7	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
8	..	..	§	..	..	§	..	..	WSW	10	10	10	10	10	8	10
9	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
10	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
11	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
12	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
13	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
14	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
15	..	..	§	..	..	SW	..	..	W	10	10	10	10	10	10	10
16	..	..	WSW	..	..	W	..	..	WSW	9	10	10	9	10	10	10
17	..	..	W	..	..	WSW	..	..	W	10	10	10	8	10	10	10
18	..	..	§	..	..	§	..	..	W	10	10	9	10	10	10	9
19	..	..	§	..	..	§	..	..	SW	10	9	9	10	8	10	9
20	..	..	WSW	..	..	§	..	..	§	9	9	8	10	10	9	10
21	..	..	§	..	..	WSW	..	..	SW	10	10	10	10	10	10	4
22	..	..	SW	..	..	SW	..	..	WSW	10	10	10	10	10	10	7
23	..	..	WSW	..	..	SW	..	..	SW	9	5	4	7	7	10	10
24	..	..	W	..	..	W	..	..	SW	10	10	10	9	9	10	10
25	..	..	W	..	..	W	..	..	WSW	10	10	9	10	10	10	9
26	..	..	SW	..	..	WSW	..	..	SW	10	8	8	10	10	10	9
27	..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10
28	..	..	W	..	..	W	..	..	WSW	10	10	10	9	10	10	7
29	..	..	W	..	..	§	..	..	WSW	10	10	10	10	9	6	10
30	..	.	WSW	..	..	SW	..	..	WSW	10	10	10	8	8	9	8
31	..	..	WSW	..	.	W	..	..	WSW	4	7	10	4	6	5	10
Mean cloud amount.										9·6	9·5	9·4	9·3	9·4	9·3	9·0

..No cloud.
† Scattered on the horizon.
‡Haze.
*At low angle.
§Overcast.

A-Cu, A-S); L=Low clouds (Cu, Cu-N, S. N).

JUNE.

Cloud Forms. (Coming from.)									Cloud Amount (All Forms).							Day.
8½h.			12½h.			16½h.			6h.	8h.	10h.	12½h.	14h.	16h.	22h.	
H.	M.	L.	H.	M.	L.	H.	M.	L.								
..	..	WSW	..	..	..	..	..	..	1	2	3	0	0	0	1	1
..	..	WSW	..	..	†	†	..	..	5	4	3	2	0	1	1	2
..	..	†	..	..	†	..	..	..	3	3	2	1	2	0	2	3
..	..	W	..	..	W	..	..	†	4	2	5	5	5	4	1	4
..	..	W	..	..	WNW	..	..	†	6	1	3	5	5	2	3	5
..	..	†	..	..	NW	..	..	†	2	2	2	5	6	2	2	6
..	E	..	..	..	WNW	..	..	†	1	4	7	7	6	1	5	7
..	..	WNW	..	..	†	..	..	..	9	7	2	1	0	2	3	8
..	NW	..	..	..	SW	..	..	SW	8	5	9	8	9	4	6	9
..	..	W	..	..	†	..	..	W	4	4	4	1	1	4	6	10
..	..	WSW	..	..	WSW	..	..	SSW	9	4	5	8	8	6	9	11
..	..	§	..	..	§	..	..	SW	9	9	10	10	8	9	7	12
..	..	S	..	..	W	..	..	S	3	3	10	7	7	8	5	13
..	..	E	..	..	§	..	..	SW	9	10	9	10	8	8	8	14
..	..	S	..	..	§	‡	..	..	9	9	8	10	9	6	10	15
..	..	§	..	..	SW	..	..	§	10	10	9	6	10	10	10	16
..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10	17
..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10	18
..	..	WSW	..	..	W	..	..	W	10	7	10	8	9	7	7	19
..	..	SW	..	..	WSW	..	..	WSW	8	3	5	4	5	8	*5	20
..	..	S	..	..	SW	..	..	W	5	5	8	5	8	8	4	21
..	..	§	..	..	†	..	..	SW	4	2	3	3	4	4	1	22
..	..	WSW	..	..	WSW	..	..	SW	1	5	9	3	4	4	1	23
..	..	§	..	..	WSW	..	..	WSW	7	9	7	8	8	7	2	24
..	..	WSW	..	..	WSW	..	..	WSW	5	3	3	5	3	7	1	25
..	..	SSW	..	..	WSW	..	..	§	10	9	5	9	9	10	6	26
..	..	SW	..	..	WSW	..	..	WSW	6	4	6	4	7	7	1	27
..	..	§..	..	..	†	..	..	SW	7	8	6	2	5	9	4	28
..	..	*	..	..	WSW	..	..	W	10	8	7	6	8	6	10	29
..	..	W	..	..	SW	..	..	WSW	5	8	6	8	5	7	9	30
..	..	§	..	..	WSW	..	..	§								31
									6·3	5·6	6·2	5·7	6·0	5·7	5·2	Mean cloud amount.

AUGUST.

..	..	WSW	..	..	§	..	..	WSW	9	6	9	10	10	10	9	1
..	..	WSW	..	..	WSW	..	..	W	10	10	10	9	10	10	8	2
..	..	§	..	..	§	..	..	WSW	10	10	10	10	10	10	10	3
..	..	WSW	..	..	§	..	..	WSW	10	10	10	10	10	8	9	4
..	..	WSW	..	..	W	..	..	WSW	9	9	10	9	10	10	10	5
..	..	§	..	..	WSW	..	..	SW	10	10	10	10	10	10	9	6
..	..	WSW	..	..	§	..	..	SW	10	9	9	10	8	9	6	7
..	..	WSW	..	..	WSW	..	..	SW	10	8	10	9	8	10	10	8
..	..	W	..	..	W	..	..	WSW	10	10	10	8	10	10	10	9
..	..	§	..	..	SW	..	..	WSW	10	10	7	9	10	10	8	10
..	..	WSW	..	..	W	..	..	WSW	10	10	6	7	9	8	4	11
..	..	WSW	..	..	WSW	..	..	WSW	10	10	5	10	9	10	8	12
..	..	WSW	..	..	WSW	..	..	SW	10	6	6	8	7	10	8	13
..	..	§	..	..	W	..	..	SW	8	10	10	9	6	5	6	14
..	..	WSW	..	..	W	..	..	WSW	10	8	8	9	10	10	10	15
..	..	WSW	..	..	WSW	..	..	WSW	8	7	8	5	6	8	7	16
..	..	SW	‡	..	..	..	..	§	4	7	9	7	7	8	10	17
..	..	SSW	..	..	SW	..	..	SW	10	4	7	8	9	5	9	18
..	..	SW	..	..	WSW	..	..	SW	9	9	10	10	10	10	8	19
..	..	SSW	..	..	W	..	..	WSW	8	9	9	3	3	4	3	20
..	..	SE	..	..	WSW	..	..	§	9	10	8	9	9	9	10	21
..	..	N	..	..	NE	..	..	NW	10	6	10	8	4	10	10	22
..	..	§	..	..	§	..	..	NW	10	10	9	10	6	9	9	23
..	..	§	..	..	SW	..	..	WSW	10	9	10	9	10	9	2	24
..	..	W	..	..	W	..	..	W	8	8	6	9	5	4	2	25
..	..	§	..	..	W	..	..	W	10	10	10	10	10	10	10	26
..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	10	27
..	..	§	..	..	§	..	..	W	10	10	10	10	10	10	10	28
..	..	§	..	..	W	..	..	§	10	10	10	10	10	10	10	29
..	..	§	..	..	§	..	..	W	10	10	10	10	10	10	4	30
..	..	WSW	..	..	§	..	..	NW	9	10	10	10	10	9	6	31
									9·4	8·9	8·9	8·9	8·6	8·9	7·9	Mean cloud amount.

..No cloud.
†Scattered on the horizon.
‡Haze.
*At low angle.
§Overcast.

Notation; H=High clouds (Ci, Ci-S.); M=Medium clouds (ci-cu,

SEPTEMBER.

Day.	Cloud Forms. (Coming from.)									Cloud Amount (All Forms).						
	8½h.			12½h.			16½h.			6h.	8h.	10h.	12½h.	14h.	16h.	22h.
	H.	M.	L.	H.	M.	L.	H.	M.	L.							
1	..	..	WSW	..	..	SW	..	..	SW	10	10	10	10	10	9	4
2	..	..	SSW	..	..	§	..	..	§	10	8	8	10	9	10	3
3	..	..	NW	..	..	§	..	..	W	8	10	10	10	10	9	4
4	..	..	WNW	..	..	W	..	..	WSW	10	10	10	10	10	9	9
5	..	..	WSW	..	..	§	..	..	SW	8	6	8	10	10	8	9
6	..	..	SW	..	..	§	..	..	WSW	9	5	6	10	6	10	10
7	..	..	§	..	..	§	..	..	WNW	10	10	10	10	10	5	10
8	..	..	WSW	..	..	SW	..	..	§	6	9	10	3	3	8	9
9	..	..	§	..	..	WSW	..	..	W	6	9	10	7	9	7	7
10	..	..	W	..	..	W	..	..	W	8	8	6	5	5	4	5
11	..	..	WSW	..	..	W	..	..	SW	9	9	10	10	10	10	10
12	..	..	SW	..	..	§	..	..	§	9	9	9	10	9	10	6
13	..	..	SW	..	..	W	..	..	WSW	4	9	5	7	6	10	6
14	..	..	§	..	..	SW	..	..	SW	7	7	5	6	6	8	10
15	..	..	WSW	..	..	WSW	..	..	SW	8	9	4	9	5	7	8
16	..	..	SW	..	..	WSW	..	..	WSW	10	6	6	4	4	9	10
17	..	..	S	..	..	SW	..	..	WSW	6	9	8	5	6	8	8
18	..	..	§	..	..	WNW	..	..	WNW	10	10	10	10	10	10	10
19	..	..	NNE	..	..	NW	..	..	W	6	9	7	8	8	8	10
20	..	..	NNE	..	..	*	..	..	§	10	10	10	4	6	10	10
21	..	..	WSW	..	..	W	..	..	§	10	10	9	8	9	8	7
22	..	..	§	..	..	W	..	..	W	7	9	8	3	2	7	2
23	..	..	ENE	..	..	E	..	..	W	10	10	9	10	8	5	5
24	..	..	§	..	..	§	..	..	W	10	10	10	10	10	4	10
25	..	..	ESE	..	..	Calm.	..	..	NW	7	9	6	8	8	5	9
26	..	..	E	..	..	NE	..	..	NW	10	9	10	8	4	10	10
27	..	..	N	..	..	§	..	..	§	10	10	10	10	10	10	10
28	..	..	§	..	..	§	..	..	WSW	10	10	10	10	10	9	7
29	..	..	SSW	..	..	SSW	..	..	†	5	7	3	4	2	2	0
30	..	..	§	..	..	*	..	..	*	2	1	3	2	2	3	1
31																
Mean cloud amount										8·2	8·6	8·0	7·7	7·2	7·7	7·3

NOVEMBER.

1	..	..	..	..	..	..	‡	..	..	2	0	1	0	2	2	0
2	‡	..	..	†	..	..	*	..	..	3	7	6	4	4	1	0
3	‡	..	..	*	..	..	*	..	..	7	7	1	2	3	1	0
4	..	†	..	†	..	..	‡	..	..	6	1	4	1	2	5	3
5	‡	..	..	‡	..	..	..	†	..	2	4	8	5	3	2	7
6	‡	..	..	‡	..	..	..	..	WNW	5	7	9	9	8	8	7
7	‡	..	..	..	..	WSW	..	..	ENE	7	7	8	9	8	9	7
8	..	..	..	..	..	..	..	..	..	0	0	0	0	1	0	0
9	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
10	†	..	..	..	..	..	..	..	..	1	1	1	0	0	0	0
11	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
12	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
13	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
14	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
15	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
16	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
17	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
18	‡	..	..	..	..	..	..	..	..	1	1	0	0	0	0	0
19	..	..	..	‡	..	..	‡	..	..	0	0	0	6	7	6	0
20	†	..	..	‡	..	..	..	..	..	0	1	0	3	0	0	0
21	..	..	ENE	†	..	..	..	E	..	5	9	3	2	4	9	0
22	..	..	E	..	..	E	..	..	..	8	9	3	6	8	10	7
23	..	..	†	..	†	..	..	..	..	7	3	1	1	1	1	0
24	..	SSE	..	..	..	SE	..	SSE	..	2	1	6	10	10	8	1
25	..	..	..	..	..	†	..	..	†	2	0	2	1	1	2	0
26	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
27	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
28	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
29	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
30	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0
31																
Mean cloud amount										1·9	1·9	1·8	2·0	2·1	2·1	1·1

.. No cloud.
†Scattered on the horizon.
‡Haze.
*At low angle.
§Overcast.

A-Cu, A-S) ; L=Low clouds (Cu, Cu-N, S. N).

OCTOBER.

Cloud Forms. (Coming from.)									Cloud Amount (All Forms).							Day.
8½h.			12½h.			16½h.										
H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	14h.	16h.	22h.	
..	..	†	..	..	WNW	..	..	NW	6	2	4	4	2	2	6	1
..	..	†	..	..	NNW	..	..	†	3	1	3	4	4	4	3	2
..	..	§	..	..	†	..	..	NNE	6	8	9	3	9	8	8	3
..	..	§	..	..	§	..	..	W	10	10	9	10	9	7	5	4
..	..	NW	..	..	§	..	..	§	6	9	9	10	10	10	10	5
..	..	NW	..	..	W	..	..	†	9	8	9	4	3	3	3	6
..	..	†	..	..	§	..	..	§	4	4	9	10	9	9	0	7
..	..	†	..	..	NNE	..	..	†	3	4	3	3	2	1	0	8
..	..	NNW	..	..	†	..	..	†	7	10	8	2	3	8	8	9
..	..	NE	..	..	ESE	..	ESE	..	2	7	8	6	2	1	1	10
..	..	ENE	..	..	E	..	..	E	10	10	10	9	10	9	10	11
..	..	§	..	..	§	..	..	§	10	10	10	10	10	10	9	12
..	..	WSW	‡	..	..	..	..	WSW	7	9	8	7	7	9	9	13
..	..	†	..	..	WSW	..	..	WSW	9	5	3	3	4	3	2	14
..	..	§	..	..	†	..	..	†	3	9	5	2	1	1	0	15
..	..	S	..	..	NE	..	..	†	8	9	9	2	2	2	0	16
..	*	..	..	..	S	..	..	†	3	7	6	6	1	1	0	17
..	..	NNW	..	..	†	..	..	†	9	7	8	1	1	1	0	18
..	..	†	..	..	†	..	..	†	1	3	2	2	1	1	0	19
..	†	..	..	..	†	..	..	†	1	1	2	1	2	1	0	20
..	..	..	..	..	†	..	..	†	0	0	0	1	2	1	1	21
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	22
†	..	..	..	..	..	..	..	..	1	1	0	0	0	0	0	23
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	24
†	..	..	†	..	..	..	..	..	2	1	0	2	4	0	0	25
†	..	..	..	..	..	..	..	..	1	1	0	0	0	0	0	26
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	27
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	28
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0	29
†	..	..	‡	..	..	‡	..	..	2	1	1	3	3	8	0	30
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	0	31
									4·0	4·4	4·4	3·4	3·3	3·1	2·4	Mean cloud amount.

DECEMBER.

..	..	..	..	..	..	‡	..	..	0	0	0	0	0	1	1	1
‡	..	..	..	..	..	..	..	..	1	2	1	0	0	0	0	2
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	3
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	4
‡	..	..	‡	..	..	..	..	..	3	6	2	1	1	0	0	5
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	6
‡	..	..	‡	..	..	..	..	§	0	2	4	6	8	9	10	7
..	..	†	..	SW	..	..	SW	..	7	7	2	6	5	3	8	8
..	†	..	NW	..	..	..	..	..	5	2	4	5	2	1	0	9
..	†	..	..	..	†	..	..	..	2	1	2	1	1	0	0	10
..	..	..	..	..	..	..	..	..	0	0	0	0	1	0	0	11
..	..	..	..	..	..	..	SE	..	0	0	0	0	1	3	2	12
..	†	..	‡	..	..	‡	..	..	3	1	1	1	2	6	9	13
‡	..	..	‡	..	..	‡	..	..	6	4	7	7	9	8	4	14
‡	..	..	‡	..	..	‡	..	..	2	4	4	7	7	6	1	15
..	..	..	‡	..	..	‡	..	..	0	0	0	2	4	8	0	16
‡	..	..	W	..	..	‡	..	..	0	1	6	5	4	2	0	17
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	18
‡	..	..	..	..	..	..	..	..	3	5	1	0	0	0	0	19
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	20
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	21
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	22
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	23
..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0	24
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	25
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	26
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	27
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	28
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	29
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	30
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	31
									1·0	1·1	1·1	1·3	1·5	1·5	1·1	Mean cloud amount.

..No cloud.
†Scattered on the horizon.
‡Haze.
*At low angle.
§Overcast.

Month.	In shade at the depths of										Exposed to the Sun at the depths of			
	1 inch.		9 inches.		20 inches.		60 inches.		132 inches.		1 inch.		8 inches.	
	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.	Mean temperature.	Excess over the yearly mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°
January . .	**77·2**	—5·5	**78·7**	—5·0	82·4	—3·8	84·6	—1·8	84·1	—0·7	85·3	—5·9	79·8	—7·4
February . .	78·0	—4·7	79·0	—4·7	**82·0**	—4·2	**83·8**	—2·6	**83·5**	—1·3	89·4	—1·8	82·2	—5·0
March . .	83·9	+1·2	83·7	0	85·1	—1·1	84·5	—1·9	83·7	—1·1	97·4	+6·2	89·6	+2·4
April . .	86·6	+3·9	86·6	+2·9	88·0	+1·8	86·2	—0·2	84·1	—0·7	103·2	+12·0	96·8	+9·6
May . . .	**88·2**	+5·5	**88·2**	+4·5	89·8	+3·6	87·8	+1·4	84·9	+0·1	**106·1**	+14·9	**101·7**	+14·5
June . . .	87·0	+4·3	88·0	+4·3	**89·9**	+3·7	**89·1**	+2·7	85·4	+0·6	95·5	+4·3	95·2	+8·0
July . . .	83·6	+0·9	85·5	+1·8	88·3	+2·1	88·8	+2·4	85·7	+0·9	**84·9**	—6·3	85·5	—1·7
August . .	83·2	+0·5	84·9	+1·2	87·4	+1·2	87·8	+1·4	**86·1**	+1·3	85·3	—5·9	85·8	—1·4
September . .	82·4	—0·3	83·8	+0·1	86·3	+0·1	86·8	+0·4	85·7	+0·9	85·4	—5·8	84·2	—3·0
October . .	83·0	+0·3	83·9	+0·2	86·2	0	86·2	—0·2	85·1	+0·3	88·4	—2·8	84·9	—2·3
November . .	80·5	—2·2	81·8	—1·9	85·1	—1·1	85·9	—0·5	84·8	0	87·4	—3·8	82·1	—5·1
December . .	78·6	—4·1	79·9	—3·8	83·7	—2·5	85·4	—1·0	84·6	—0·2	86·1	—5·1	**78·9**	—8·3
Year . . .	82·7		83·7		86·2		86·4		84·8		91·2		87·2	

MAGNETIC TABLES.

Diurnal variation of magnetic elements.

The following tables give the diurnal variation of declination (D), horizontal component of the force (H), the easterly component (Y), the vertical component (Z), the inclination (I) and the total force (F) for each month based on the hourly tabulations for the 5 international quiet days. Owing to very small value of D the variation tables of (H) and the northerly component of force (X) are practically the same. No separate table for $\triangle$ X has consequently been given. The days are reckoned from 4 h. 51 m. to 3 h. 51 m. of the local mean time corresponding to the Greenwich civil day 0 h. to 23 h.

The variations in X, Y, I and F were computed from the variations in D, H and Z by means of the formulæ:

$$\triangle X = 1{\cdot}000\ \triangle H - 0{\cdot}017\ \triangle D.$$
$$\triangle Y = 0{\cdot}002\ \triangle H + 10{\cdot}773\ \triangle D.$$
$$\triangle I = 0{\cdot}076\ \triangle Z - 0{\cdot}036\ \triangle H.$$
$$\triangle F = 0{\cdot}905\ \triangle H + 0{\cdot}426\ \triangle Z.$$

A plus sign indicates an hourly value greater than the mean for the day.

Mean results are also given for groups of four months, as indicated by the Roman numerals at the head of the columns:—I January, February, November, December; II March, April, September, October; III May, June, July, August.

All diurnal inequalities have been corrected for the aperiodic change by the formula $\frac{N(12-n)}{24}$ where N denotes the excess at the second midnight of the representative day as compared to the first midnight and 'n' denotes any hour of the day reckoned from 0 (first midnight) to 24.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	−0·1	−0·2	−0·3	+0·3	+0·1	+0·5	+0·3	+0·3	+0·5	+0·1	−0·1	−0·4	−0·2	+0·1	+0·3	+0·1
1	−0·1	−0·1	−0·2	+0·8	+0·8	+1·3	+1·1	+1·0	+1·1	+0·1	−0·1	−0·5	−0·2	+0·4	+1·0	+0·4
2	−0·5	+0·2	+0·3	+1·9	+1·7	+2·0	+2·0	+2·0	+2·0	+0·5	−0·2	**−0·6**	−0·3	+1·2	+1·9	+0·9
3	0	+0·9	+0·9	**+2·4**	**+2·0**	**+2·1**	**+2·2**	**+2·4**	**+2·1**	**+0.8**	0	−0·2	**+0·2**	**+1·5**	**+2·1**	**+1·3**
4	**+0·7**	**+1·1**	**+1·0**	+1·4	+1·3	+1·5	+1·5	+1·2	+1·0	+0·3	+0·1	+0·5	**+0.6**	+0·9	+1·3	+1·0
5	+0·1	+0·8	+0·7	0	+0·1	+0·1	0	−0·3	−0·3	−0·4	−0·1	**+0·7**	+0·4	0	0	+0·1
6	−0·5	−0·1	−0·1	−1·1	−1·0	−1·2	−1·2	−1·2	−1·6	−1·2	−0·6	+0·1	−0·3	−1·0	−1·1	−0·8
7	**−0·8**	**−1·0**	−1·0	−2·2	−1·8	**−1·9**	−1·9	−1·8	−2·9	**−1·6**	**−0·9**	−0·1	**−0·7**	−1·9	−1·9	**−1·5**
8	−0.6	**−1·2**	**−1.3**	**−2.3**	**−1·9**	−1·9	**−2·1**	**−2·1**	**−3·0**	−1·3	−0·3	−0·1	−0·5	**−2·0**	**−2·0**	−1·5
9	−0·2	−0·7	−0.7	−1·9	−1·3	−1·8	−1·6	−1·5	−2·3	−0·5	**+0·5**	+0·1	−0·1	−1·4	−1·6	−1·0
10	+0·1	−0·3	−0·1	−1·1	−0·7	−1·3	−0·5	−0·5	−1·0	+0.3	**+0·5**	+0·1	+0·1	−0·5	−0·7	−0·4
11	+0·5	+0·2	+0·4	−0·1	0	−0·7	0	+0·3	+0·3	+0·8	+0·2	+0·2	+0·3	+0·3	−0·1	+0·2
12	+0·4	+0·3	+0·4	+0·4	+0·3	−0·3	+0·3	+0·6	+0·8	+0·7	+0·2	+0·1	+0·2	+0·6	+0·2	+0·3
13	+0·1	+0·1	+0·3	+0·4	+0·1	−0·2	+0·3	+0·3	+0·6	+0·1	+0·1	+0·1	+0·1	+0·3	+0·1	+0·2
14	+0·1	+0·1	+0·2	+0·1	−0·1	−0·3	−0·2	−0·2	+0·2	0	**+0·1**	+0·1	+0·1	+0·1	−0·2	0·0
15	+0·1	0	0	−0·1	−0·3	−0·3	−0·4	−0·3	+0·1	−0·1	+0·1	+0·1	+0·1	0	−0·3	−0·1
16	+0·1	0	0	0	−0·2	−0·1	−0·3	−0·3	+0.1	0	0	+0·1	+0·1	0	−0·2	−0·1
17	+0·1	0	0	+0·1	−0·1	+0·1	−0·2	−0·3	+0·1	0	0	0	0	+0·1	−0·1	0·0
18	+0·1	0	−0·1	+0·1	+0·1	+0·2	−0·1	−0·1	+0·3	**+0·2**	+0·1	0	+0·1	+0·1	0	+0·1
19	+0·1	0	0	+0·2	+0·2	+0·4	0	−0·1	+0·3	+0·3	+0·2	0	+0·1	+0·2	+0·1	+0·1
20	+0·1	0	−0·1	+0·2	+0·3	+0·5	+0·1	+0·1	+0·4	+0·3	+0·1	0	+0·1	+0·2	+0·3	+0·2
21	0	0	−0·5	+0·2	+0·3	+0·5	+0·2	+0·1	+0·4	+0.3	+0·2	−0·1	0	+0·1	+0·3	+0·1
22	0	−0·1	−0·2	+0·2	+0·2	+0·5	+0·2	+0·2	+0·4	**+0·2**	+0·1	−0·1	0	+0·2	+0·3	+0·1
23	0	−0·1	−0·3	+0·2	+0·1	+0·4	+0·2	+0·2	+0·4	+0·1	−0·1	−0·3	−0·1	+0·1	+0·2	+0·1

DIURNAL VARIATION OF H OR X, 1924.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
0	**−8**	−4	−6	−6	−7	−9	−8	−7	−4	−9	−8	−5	−6	−6	−8	−7
1	−4	−4	−5	−6	−6	−7	−8	−6	−6	−9	−7	−4	−5	−6	−7	−6
2	+1	−3	−5	−8	−4	−1	−3	−6	**−11**	−7	−1	−2	−1	−8	−3	−4
3	+6	0	0	−3	+3	+7	+4	−3	−11	+1	+8	+4	+5	−3	+3	+1
4	+9	+5	+9	+10	+12	+17	+13	+8	−3	+15	+15	+11	+10	+8	+13	+10
5	+8	+13	+19	+20	+19	+25	+23	+17	+7	+27	+24	+19	+16	+18	+21	+18
6	+11	+18	**+23**	**+21**	**+25**	**+31**	**+29**	**+23**	+13	**+35**	**+28**	**+24**	**+20**	**+23**	**+27**	**+23**
7	**+13**	**+21**	+23	+18	+23	+29	+29	+22	**+18**	+35	+24	+19	+19	+23	+26	+23
8	+12	+17	+19	+16	+20	+24	+24	+21	+17	+26	+16	+13	+14	+19	+22	+19
9	+10	+10	+10	+10	+12	+14	+15	+15	+15	+15	+9	+5	+8	+13	+14	+12
10	+6	+4	+3	+5	+8	+2	+6	+7	+11	+6	+2	+1	+3	+6	+6	+5
11	+1	−1	−1	+3	+1	−6	−3	−1	+6	−1	−3	−2	−1	+2	−2	−1
12	−3	−4	−3	0	−5	−11	−7	−5	+2	−6	−7	−4	−5	−2	−7	−4
13	−5	−5	−5	−2	−8	**−13**	**−11**	−6	0	−9	−9	−6	−6	−4	−9	−7
14	−7	−5	−7	−5	−10	−12	−11	−7	−3	−12	**−11**	−7	−7	−7	−10	−8
15	−7	−5	−8	−7	−11	−12	−11	−7	−5	−13	−10	−8	**−8**	−8	**−11**	**−9**
16	−6	**−8**	−5	−8	**−12**	−11	−10	−8	−6	**−15**	−9	**−9**	−8	**−9**	−10	−9
17	−7	−7	**−10**	**−9**	−11	−10	−10	**−9**	−6	−13	−9	−9	−8	−9	−10	−9
18	−6	−7	−9	−9	−9	−9	−11	−9	−6	−12	−9	−7	−7	−9	−9	−9
19	−6	−7	−9	−8	−9	−9	−11	−8	−6	−12	−9	−7	−7	−9	−9	−8
20	−6	−7	−8	−8	−10	−9	−11	−8	−6	−12	−9	−7	−7	−9	−9	−8
21	−5	−6	−8	−8	−9	−9	−10	−9	−6	−10	−9	−7	−7	−8	−9	−8
22	−5	−5	−6	−8	−7	−9	−9	−7	−5	**−9**	−9	−6	−7	−7	−8	−7
23	−5	−5	−7	−7	−7	−10	−9	−7	−5	−11	−8	−6	−6	−7	−8	−7

DIURNAL VARIATION OF Y, 1924.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
0	−1	−2	−3	+3	+2	+5	+3	+4	+5	+1	−1	−5	−2	+1	+3	+1
1	−1	−1	−2	+9	+8	+13	+12	+11	+11	+1	−1	−5	−2	+5	+11	+5
2	−5	+2	+3	+21	+19	**+22**	+21	+22	+21	+5	−2	−7	−3	+13	+21	+10
3	0	+9	+9	**+26**	**+21**	+22	**+24**	**+25**	+22	**+9**	0	−3	+2	**+17**	**+23**	**+14**
4	**+7**	**+12**	**+11**	+15	+13	+16	+16	+13	+11	+3	+1	+6	**+7**	+10	+15	+10
5	+2	+8	+7	0	+1	+1	0	−3	−3	−4	−1	**+8**	+4	0	0	+1
6	−5	−1	−2	−12	−11	−12	−13	−13	−18	−13	−7	+1	−3	−11	−12	−9
7	**−9**	−11	−11	−24	**−20**	**−21**	−20	−20	−31	**−17**	**−9**	−1	**−7**	**−21**	−20	**−16**
8	−7	**−13**	**−14**	**−25**	−20	−21	**−23**	**−22**	**−32**	−13	−3	−1	−6	−21	**−21**	−16
9	−2	−7	−8	−21	−15	−20	−17	−16	−25	−6	+4	+1	−1	−15	−17	−11
10	+2	−3	−1	−12	−7	−14	−5	−6	−11	+4	+5	+1	+1	−5	−8	−4
11	+5	+2	+5	−1	0	−7	0	+3	+3	+9	+2	+2	+3	+4	−1	+2
12	+4	+3	+5	+5	+3	−3	+3	+6	+8	+7	+2	+1	+3	+6	+2	+4
13	+1	+1	+3	+5	+1	−2	+3	+3	+7	+1	+1	+1	+1	+4	+1	+2
14	+1	+1	+2	+1	−2	−3	−2	−2	+3	0	+1	+1	+1	+1	−2	0
15	+1	0	0	−1	−3	−3	−4	−3	+1	−1	+1	+2	+1	0	−3	−1
16	+1	0	0	0	−2	−1	−4	−3	+1	0	0	+1	+1	0	−3	−1
17	+1	0	0	+1	−1	+1	−2	−3	+2	0	0	0	0	+1	−1	0
18	+1	0	−1	+1	+1	+3	−1	−1	+3	+3	+1	0	+1	+1	0	+1
19	+1	0	0	+2	+2	+5	0	−1	+4	+3	+2	0	+1	+2	+2	+1
20	+1	0	−1	+2	+3	+6	+1	+1	+5	+4	+1	0	+1	+3	+3	+2
21	0	0	−1	+2	+3	+5	+2	+1	+5	+3	+2	−1	0	+2	+3	+2
22	0	−1	−2	+2	+2	+5	+2	+2	+4	+2	+1	−1	0	+2	+3	+1
23	0	−1	−3	+2	+1	+5	+2	+2	+4	+1	−1	−3	−1	+1	+3	+1

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hours.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	+1	+1	+1	+3	+3	+6	+5	+4	+5	+2	+1	+1	+1	+3	+5	+3
1	+1	+2	+3	+8	+9	+11	+10	+8	+10	+3	+1	+2	+1	+6	+10	+6
2	−2	+3	+5	+8	+10	+9	+11	+10	+11	+6	+1	+2	+1	+7	+10	+6
3	+5	+5	+3	−2	+4	+1	+4	+2	+2	+1	0	+7	+4	+1	+3	+3
4	+3	+1	0	−17	−9	−8	+7	−12	−11	−9	−2	+9	+3	−9	−9	−5
5	−10	−8	−5	−21	−19	−17	−15	−15	−20	−17	−5	−1	−6	−15	−16	−13
6	−15	−15	−11	−22	−21	−19	−20	−13	−25	−18	−8	−6	−11	−19	−18	−16
7	−10	−15	−12	−18	−20	−14	−20	−12	−26	−13	−4	−6	−9	−17	−17	−14
8	−5	−5	−6	−8	−13	−8	−10	−6	−15	−3	+2	−5	−3	−8	−9	−7
9	+1	−1	+2	−1	−3	−4	−1	0	−2	+5	+3	−4	0	+1	−2	0
10	+5	+3	+5	+6	+7	−2	+4	+3	+7	+10	0	−2	+2	+7	+3	+4
11	+7	+5	+4	+9	+8	+1	+6	+5	+11	+7	−1	0	+3	+8	+5	+5
12	+3	+3	+2	+8	+6	−1	+5	+3	+8	+1	0	−1	+1	+5	+4	+3
13	+1	+2	0	+5	+3	0	+3	−1	+3	−1	0	0	+1	+2	+1	+1
14	+2	+3	0	+3	+2	+1	0	−1	+2	+1	+1	+1	+2	+1	+1	+1
15	+2	+2	+1	+4	+3	+3	+1	0	+3	+2	+1	+1	+2	+2	+2	+2
16	+1	+2	+1	+5	+4	+3	+2	+1	+4	+2	+1	+1	+1	+3	+3	+2
17	+2	+2	+1	+5	+3	+5	+4	+2	+5	+3	+2	+1	+1	+4	+4	+3
18	+2	+2	+1	+6	+4	+5	+3	+3	+5	+5	+2	+1	+2	+4	+4	+3
19	+2	+2	+1	+5	+4	+6	+3	+3	+5	+4	+2	+1	+2	+4	+4	+3
20	+1	+2	+1	+4	+4	+6	+3	+3	+5	+4	+1	0	+1	+4	+4	+3
21	+1	+2	+2	+4	+3	+5	+3	+3	+5	+3	+1	0	+1	+3	+4	+3
22	+1	+1	+1	+3	+3	+5	+3	+3	+5	+2	+1	0	+1	+3	+3	+2
23	+1	+1	+1	+3	+3	+5	+3	+3	+4	+2	+1	+1	+1	+3	+3	+2

DIURNAL VARIATION OF I, 1924.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

0	+0·3	+0·2	+0·3	+0·4	+0·5	+0·8	+0·7	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3	+0·4	+0·6	+0·5
1	+0·2	+0·3	+0·4	+0·8	**+0·9**	**+1·1**	**+1·1**	+0·8	+1·0	+0·6	**+0·3**	+0·3	+0·3	+0·7	**+1·0**	**+0·6**
2	−0·1	**+0·4**	**+0·5**	**+0·9**	+0·9	+0·7	+0·9	**+1·0**	**+1·3**	+0·7	+0·1	+0·2	+0·1	**+0·8**	+0·9	+0·6
3	+0·1	+0·4	+0·3	−0·1	+0·2	+0·2	+0·2	+0·3	+0·5	+0·1	−0·3	**+0·4**	+0·1	+0·2	+0·1	+0·1
4	−0·1	−0·1	−0·3	−1·6	−1·1	−1·2	−1·0	−1·2	−0·8	−1·2	−0·7	+0·3	−0·1	−1·0	−1·1	−0·7
5	**−1·1**	−1·1	−1·0	−2·3	−2·1	−2·2	−2·0	**−1·8**	−1·7	−2·2	−1·3	−0·8	−1·1	−1·8	−2·0	−1·6
6	−1·5	−1·8	−1·7	**−2·5**	**−2·5**	**−2·6**	**−2·6**	−1·8	−2·4	**−2·6**	**−1·6**	**−1·3**	**−1·6**	**−2·3**	**−2·4**	**−2·1**
7	−1·3	**−1·9**	**−1·8**	−2·0	−2·3	−2·1	−2·6	−1·7	**−2·6**	−2·2	−1·2	−1·1	−1·4	−2·2	−2·2	−1·9
8	**−0·8**	−1·0	−1·1	−1·2	−1·7	−1·5	−1·6	−1·2	−1·7	−1·2	−0·4	−0·8	−0·8	−1·3	−1·5	−1·2
9	−0·3	−0·4	−0·2	−0·5	−0·6	−0·8	+0·6	−0·6	−0·7	−0·2	−0·1	−0·5	−0·3	−0·4	−0·4	−0·4
10	+0·2	+0·1	+0·3	+0·2	+0·3	−0·2	+0·1	−0	+0·1	+0·5	−0·1	−0·2	0	+0·3	+0·1	+0·1
11	**+0·5**	+0·4	+0·3	+0·6	+0·6	+0·3	+0·5	+0·5	+0·6	+0·6	+0·1	+0·1	+0·3	+0·5	+0·5	+0·4
12	+0·4	+0·4	+0·2	+0·6	+0·7	+0·4	+0·7	+0·5	+0·6	+0·3	+0·2	+0·1	+0·3	+0·4	+0·5	+0·4
13	+0·3	+0·3	+0·2	+0·5	+0·5	+0·4	+0·6	+0·2	+0·2	+0·3	+0·3	+0·2	+0·3	+0·3	+0·4	+0·3
14	+0·4	+0·4	+0·3	+0·4	+0·5	+0·5	+0·4	+0·2	+0·2	+0·5	**+0·5**	+0·3	+0·4	+0·3	+0·4	+0·4
15	+0·4	+0·4	+0·3	+0·5	+0·6	+0·6	+0·5	+0·3	+0·4	+0·6	+0·5	+0·3	+0·4	+0·5	+0·5	+0·5
16	+0·3	+0·4	+0·3	+0·7	+0·7	+0·7	+0·5	+0·4	+0·6	+0·7	+0·4	+0·4	+0·4	+0·5	+0·6	+0·5
17	+0·4	+0·4	+0·4	+0·8	+0·7	+0·7	+0·7	+0·5	+0·6	+0·7	+0·5	+0·3	+0·4	+0·6	+0·6	+0·5
18	+0·3	+0·4	+0·4	+0·7	+0·6	+0·7	+0·6	+0·5	+0·6	**+0·8**	+0·5	+0·3	+0·4	+0·6	+0·6	+0·5
19	+0·4	+0·4	+0·5	+0·7	+0·6	+0·8	+0·6	+0·5	+0·6	+0·7	+0·4	+0·3	+0·4	+0·6	+0·6	+0·5
20	+0·3	+0·4	+0·4	+0·6	+0·6	+0·7	+0·6	+0·5	+0·6	+0·7	+0·4	+0·3	+0·3	+0·6	+0·6	+0·5
21	+0·3	+0·4	+0·4	+0·6	+0·6	+0·7	+0·6	+0·5	+0·6	+0·6	+0·4	+0·3	+0·3	+0·5	+0·6	+0·5
22	+0·3	+0·3	+0·3	+0·5	+0·5	+0·7	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3	+0·5	+0·5	+0·4
23	+0·3	+0·3	+0·3	+0·5	+0·5	+0·7	+0·5	+0·5	+0·5	+0·6	+0·4	+0·3	+0·3	+0·5	+0·6	+0·4

DIURNAL VARIATION OF F, 1924.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

0	−7	−3	−5	−4	−5	−5	−6	−5	−1	−7	−7	−4	−5	−4	−5	−5
1	−3	−3	−3	−2	−1	−2	−3	−2	−1	−7	−6	−3	−4	−3	−2	−3
2	0	−2	−2	−4	+1	+3	+2	−1	−6	−4	0	−1	−1	−4	+1	−1
3	+8	+2	+1	−4	+4	+6	+5	−2	**−9**	+2	+7	+6	+6	−2	+3	+2
4	+7	+5	+8	+2	+7	+12	+9	+2	−8	+10	+13	+13	+10	+3	+7	+7
5	+3	+8	+15	+9	+10	+16	+15	+9	−2	+17	+19	+17	+12	+10	+13	+11
6	+3	+10	**+16**	+10	**+13**	**+20**	**+18**	+15	+1	**+24**	**+22**	**+19**	**+14**	**+13**	**+16**	+14
7	+8	+12	+16	+9	+13	+20	+17	+15	+5	**+26**	+20	+15	+13	**+14**	+16	**+15**
8	**+9**	**+13**	+15	**+11**	+13	+18	+17	**+17**	+9	+22	+15	+10	+12	+14	+16	+14
9	+9	+9	+10	+8	+10	+11	+14	+14	**+13**	+16	+9	+3	+7	+12	+12	+10
10	+7	+5	+5	+7	+10	+1	+7	+7	+13	+9	+2	+1	+4	+9	+7	+6
11	+3	+1	+1	+7	+4	−5	0	+2	+10	+2	−3	−2	0	+5	0	+2
12	−1	−2	−2	+4	−2	−10	−5	−3	+5	−5	−6	−4	−3	+1	−5	−3
13	−4	−4	−5	0	−6	**−12**	−9	−6	+1	−9	−8	−5	−5	−3	−8	−5
14	−5	−3	−6	−4	−8	−10	**−10**	−6	−2	−10	**−9**	−6	−6	−5	**−9**	−7
15	−6	−4	−7	−5	**−9**	−10	−9	**−7**	−3	−11	−9	−7	−6	−6	−9	−7
16	−5	**−6**	−4	−5	−9	−9	−8	−7	−4	**−12**	−8	**−8**	**−7**	−7	−8	−7
17	−5	−6	**−9**	**−6**	−9	−7	−8	−7	−3	−10	−7	−7	−7	−7	−7	−7
18	−5	−6	−8	−5	−6	−6	−8	−6	−3	−9	−7	−6	−6	−6	−7	−6
19	−5	−5	−8	−5	−6	−6	−8	−6	−3	−9	−7	−6	−6	−6	−7	−6
20	−5	−6	−7	−6	−7	−5	−8	−6	−3	−9	−8	−6	−6	−6	−7	−7
21	−5	−5	−7	−6	−6	−6	−8	−7	−4	−8	−8	−6	−6	−6	−7	−6
22	−4	−4	−5	−6	−5	−6	−7	−5	−3	−7	−8	−6	−5	−5	−6	−5
23	−5	−4	−6	−6	−5	−7	−7	−5	−3	−9	−7	−5	−5	−6	−6	−6

JANUARY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1†	6·8	6·8	6·8	6·7	6·6	6·4	6·4	6·2	6·5	6·9	6·9	6·9	7·0	6·9	6·6
2	6·7	6·7	6·6	6·3	6·2	6·2	6·2	6·1	6·3	6·7	6·9	7·1	7·1	6·4	6·7
3	6·7	6·5	6·1	6·1	5·9	5·7	5·5	5·3	5·7	6·2	6·8	6·7	6·5	6·4	6·9
4	7·5	7·8	7·3	6·7	6·6	6·4	6·1	5·9	5·8	6·3	6·8	6·6	6·8	6·8	6·7
5	7·2	7·2	7·2	7·0	6·7	6·4	6·3	6·1	6·1	6·7	7·5	7·3	6·9	7·0	6·6
6	6·7	6·7	6·6	6·5	6·3	6·2	6·0	5·7	5·8	6·5	6·9	6·9	6·7	7·1	7·2
7	6·7	6·8	6·7	6·5	6·2	6·0	5·9	5·2	6·0	6·7	6·7	6·5	5·8	7·2	7·3
8	6·7	6·4	6·4	6·7	6·4	6·1	5·9	5·7	6·1	6·3	6·1	5·3	5·6	7·1	7·7
9	6·5	6·5	6·5	6·9	6·7	6·3	5·9	5·6	5·7	6·6	6·6	6·2	6·1	7·1	7·3
10	6·5	6·7	6·8	6·8	6·3	6·1	5·6	5·5	6·0	6·8	6·5	6·3	6·5	7·3	7·2
11	7·3	6·8	6·6	6·1	6·0	5·7	5·7	5·5	5·5	6·0	6·0	6·3	6·0	6·5	7·1
12†	6·6	6·6	6·3	6·5	6·6	6·7	6·6	6·0	6·1	6·6	5·8	5·3	4·9	5·6	6·7
13†	6·7	6·6	6·7	6·7	6·7	6·6	6·7	6·1	6·7	6·9	5·7	5·3	5·3	5·5	6·1
14†	6·5	6·5	6·5	6·5	6·6	6·7	6·5	6·1	6·9	8·1	7·5	5·9	5·4	5·7	6·5
15	6·7	6·7	6·7	6·7	6·7	6·7	6·5	6·3	7·2	7·9	7·7	5·9	4·6	5·7	6·2
16	6·9	6·6	6·5	6·7	6·3	6·2	5·8	5·6	5·9	7·1	7·7	6·2	5·9	6·8	7·6
17	6·9	6·9	6·9	6·9	6·5	6·2	5·9	5·5	6·2	7·5	7·5	6·7	6·1	5·9	5·9
18	6·8	6·9	6·6	6·6	6·2	6·0	5·8	5·5	6·5	7·9	7·6	6·9	6·6	6·4	6·2
19	6·9	6·8	6·6	6·7	6·6	6·2	5·9	5·8	6·6	7·4	7·5	6·4	5·6	6·1	5·8
20†	6·4	6·3	6·1	6·3	6·4	6·2	6·0	5·9	6·8	7·6	7·6	7·2	6·2	5·9	5·9
21	6·6	6·4	6·2	6·2	6·2	6·0	5·8	5·7	6·6	7·8	7·2	6·2	5·9	6·4	6·7
22	6·1	6·0	5·9	5·8	5·8	5·6	5·4	5·3	5·8	6·5	6·3	5·3	4·6	5·2	5·9
23	6·5	6·6	6·4	6·1	6·0	5·8	5·5	4·9	4·9	6·6	6·4	6·2	6·3	6·7	7·3
24	6·4	6·5	6·0	5·8	6·1	6·1	5·8	5·3	5·8	6·4	6·2	6·0	6·0	6·0	6·4
25	6·0	5·8	6·3	6·1	6·0	5·7	5·9	6·2	6·5	7·1	6·5	6·0	5·7	5·9	6·8
26	6·1	6·1	6·1	6·0	6·0	6·0	6·1	6·0	6·3	6·9	6·7	5·4	4·1	4·0	4·8
27	6·2	6·2	6·1	6·2	6·2	6·2	6·3	6·3	7·8	9·1	8·3	7·3	7·3	7·2	7·1
28	6·1	6·2	6·2	6·2	6·2	6·1	6·0	5·3	5·3	5·8	5·8	5·2	5·7	6·2	6·5
29	6·4	6·4	6·4	6·3	6·2	6·1	6·1	6·1	6·8	7·9	8·7	8·0	7·4	7·4	7·3
30	10·0	8·8	8·5	8·6	7·4	5·2	4·4	1·0	4·9	6·2	6·5	6·9	6·6	6·5	6·9
31	6·9	6·4	6·9	6·9	6·8	6·7	6·4	6·4	7·3	8·6	8·7	7·5	6·0	6·3	6·3
Mean .	6·7	6·7	6·6	6·5	6·4	6·1	6·0	5·6	6·2	7·0	6·9	6·4	6·0	6·4	6·7
Mean† .	6·6	6·6	6·5	6·5	6·6	6·5	6·4	6·1	6·6	7·2	6·7	6·1	5·8	5·9	6·4

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1	6·8	7·2	7·1	6·9	6·5	6·5	6·3	6·1	6·8	7·7	7·6	6·1	5·3	5·9	6·3
2	6·6	6·6	6·4	6·4	6·3	5·9	5·5	5·6	6·0	7·3	8·2	7·9	7·5	7·1	6·8
3	6·3	6·2	6·3	6·2	6·1	6·1	5·9	5·5	6·0	6·6	6·6	6·0	5·5	5·8	6·3
4	6·6	6·5	6·4	6·1	6·0	5·9	5·8	5·7	6·2	7·0	6·7	5·9	5·6	6·5	6·8
5	6·4	6·6	6·4	6·4	6·4	6·3	5·9	5·7	6·0	6·6	6·8	6·3	6·0	6·1	6·5
6	6·4	6·5	6·2	7·3	7·5	7·9	6·6	6·1	5·8	6·3	6·8	5·9	5·1	5·9	7·1
7	7·0	7·1	7·2	7·4	7·2	6·9	6·7	7·0	7·1	7·2	7·0	5·8	5·6	6·2	7·6
8	7·1	7·2	6·7	7·0	7·0	6·6	6·5	6·5	6·6	6·2	5·5	5·0	4·9	5·7	6·6
9	6·6	6·9	6·7	6·9	6·7	6·6	6·5	6·3	6·7	6·4	5·7	5·3	4·7	5·2	6·2
10	6·6	6·6	6·7	6·9	6·8	6·8	6·9	7·0	7·1	7·5	7·3	6·1	4·9	5·5	6·3
11	6·4	6·7	6·6	6·6	6·3	6·6	6·6	6·1	7·2	7·8	7·4	6·6	5·7	6·1	5·9
12	6·7	6·5	6·6	6·4	6·5	6·5	6·6	6·7	7·0	7·1	5·6	4·3	4·6	4·5	4·8
13	6·4	6·3	6·3	6·2	6·1	6·1	6·3	6·4	6·8	6·9	6·4	5·5	4·7	4·8	5·0
14†	6·4	6·4	6·4	6·3	6·1	6·2	6·3	6·5	6·9	6·9	6·1	5·1	4·5	4·5	5·1
15†	5·9	6·0	6·0	5·9	5·9	5·8	5·9	5·9	6·5	7·1	7·0	6·2	5·5	5·4	5·5
16	6·1	6·0	5·9	5·9	5·7	5·6	5·5	5·3	6·0	6·2	5·6	4·6	4·3	5·1	6·1
17	6·2	6·1	5·7	5·7	5·6	5·6	5·7	5·8	6·4	6·9	6·8	5·9	5·1	5·3	6·1
18†	6·1	6·3	6·1	6·2	6·1	6·2	6·3	6·3	7·0	7·3	7·1	6·0	4·8	4·8	5·9
19	6·1	6·3	6·1	6·1	6·0	5·9	6·0	6·5	7·0	7·1	6·3	5·6	4·9	4·5	4·3
20	6·2	6·2	6·5	6·5	6·3	6·2	6·1	6·2	6·4	6·6	6·9	6·7	5·9	6·0	6·4
21	7·3	6·8	6·6	6·3	5·8	6·0	6·1	6·4	6·6	6·9	6·9	6·4	5·8	5·7	6·2
22	6·8	6·6	6·6	6·5	6·3	6·1	6·2	7·1	7·9	8·1	6·8	5·7	4·8	5·3	6·1
23	6·5	6·4	6·4	6·3	6·2	6·1	6·3	6·5	7·5	8·0	7·6	6·7	6·3	6·1	6·0
24	6·4	6·3	6·1	6·3	6·3	6·2	6·3	6·8	7·4	7·5	7·4	6·9	5·9	5·7	6·1
25	6·5	6·6	6·4	6·2	6·1	6·1	6·1	6·4	6·3	6·3	6·5	6·0	5·5	5·7	5·5
26	6·4	6·3	6·4	6·3	6·2	6·1	6·2	6·8	6·9	6·8	6·6	5·7	5·2	4·5	5·1
27	6·4	6·3	6·2	6·3	6·2	6·1	6·3	6·6	7·2	7·2	6·9	6·3	5·6	5·5	6·5
28†	6·3	6·3	6·2	6·2	6·2	6·2	6·3	6·7	7·2	7·1	7·1	6·7	5·9	5·3	5·6
29†	6·3	6·2	6·2	6·1	6·1	6·0	6·2	6·9	8·1	8·3	7·8	6·6	5·3	5·1	5·6
Mean . .	6·5	6·5	6·4	6·4	6·3	6·2	6·2	6·3	6·8	7·1	6·8	6·0	5·4	5·5	6·0
Mean† . .	6·2	6·2	6·2	6·1	6·1	6·1	6·2	6·5	7·1	7·3	7·0	6·1	5·2	5·0	5·5

† Five international quiet days.

‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JANUARY. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
6·3	6·6	6·9	7·0	6·9	7·0	6·9	6·9	6·9	6·7	19 40	8·3	7 10	6·1	†1
7·3	7·3	7·3	7·2	7·0	7·1	7·1	7·0	6·9	6·8	14 51	7·3	7 0	6·0	2
6·6	6·5	6·7	6·9	6·9	7·1	7·0	7·1	7·5	6·5	23 45	7·5	7 4	5·2	3
6·7	6·6	6·7	6·9	7·0	7·1	7·1	7·1	7·2	6·8	0 36	7·8	8 5	5·7	4
6·0	6·2	6·6	6·6	6·6	6·7	6·7	6·6	6·7	6·7	9 51	7·5	14 48	5·7	5
6·4	6·0	6·2	6·2	6·5	6·6	6·7	6·6	6·7	6·5	13 10	7·2	7 20	5·5	6
6·8	6·9	6·9	6·8	6·7	6·8	6·7	6·8	6·8	6·5	13 4	7·3	6 36	5·1	7
7·5	7·1	6·3	6·2	6·4	6·5	6·5	6·5	6·6	6·4	13 48	7·8	11 0	5·1	8
6·8	6·6	6·3	6·6	6·5	6·5	6·5	6·5	6·5	6·5	13 20	7·3	6 44	5·6	9
7·9	8·3	7·9	7·8	8·5	8·4	8·5	8·1	7·1	7·1	20 24	8·6	7 10	5·4	10
7·7	7·8	7·5	6·7	6·7	6·7	6·7	6·6	6·7	6·5	15 40	7·8	7 12	5·4	11
7·4	7·4	7·0	6·6	6·6	6·6	6·6	6·5	6·6	6·4	15 40	7·5	11 25	4·7	†12
6·5	7·2	7·2	6·6	6·6	6·5	6·5	6·4	6·4	6·4	15 51	7·2	10 51	5·3	†13
7·2	7·6	7·4	6·5	6·5	6·6	6·6	6·7	6·6	6·7	9 8	8·2	11 20	5·3	†14
6·8	7·1	6·7	6·2	6·3	6·3	6·3	6·4	6·7	6·5	8 36	7·9	11 48	4·6	15
7·7	7·5	6·8	6·7	6·8	6·7	6·8	6·9	6·9	6·7	9 40	7·7	7 20	5·5	16
6·4	6·9	6·9	6·5	6·7	6·7	6·6	6·6	6·5	6·6	9 40	7·6	6 55	5·1	17
6·0	6·5	6·7	6·2	6·5	6·7	6·9	6·7	6·7	6·6	8 51	7·9	6 40	5·5	18
5·6	6·0	6·2	6·2	6·3	6·3	6·7	6·4	6·4	6·4	9 40	7·5	6 40	5·6	19
6·2	6·3	6·3	6·3	6·5	6·6	6·6	6·5	6·6	6·5	9 12	7·7	6 48	5·7	†20
6·6	6·8	6·9	6·6	6·7	6·5	6·4	6·2	6·2	6·4	9 5	7·9	6 40	5·7	21
6·0	6·6	7·1	6·8	6·7	6·6	6·5	6·8	7·3	6·1	22 16	7·5	11 51	4·6	22
7·3	7·7	8·1	7·6	6·9	6·7	6·7	6·7	6·6	6·5	16 44	8·2	7 44	4·6	23
6·9	7·3	7·3	6·7	6·9	6·9	6·8	7·0	6·5	6·4	16 40	8·2	6 44	5·1	24
7·1	7·6	7·3	7·5	6·8	6·4	6·4	6·3	6·0	6·4	15 15	7·7	11 44	5·6	25
5·9	7·1	7·7	7·3	7·2	7·9	6·7	6·7	6·8	6·2	19 50	8·1	12 12	3·7	26
6·9	6·9	6·9	6·7	6·7	6·7	6·5	6·2	6·3	6·8	8 51	9·1	1 40	6·1	27
6·7	7·0	7·3	7·0	6·9	6·8	6·7	6·7	6·5	6·3	16 51	7·3	10 50	5·2	28
7·2	7·4	7·7	7·3	7·0	6·7	6·8	6·4	9·7	7·1	23 40	10·5	6 44	5·9	29
7·4	7·7	7·7	7·0	7·0	7·1	7·1	6·8	6·9	6·7	0 42	10·0	6 38	0·7	30
6·2	6·3	6·4	6·4	6·7	6·8	6·7	6·8	6·9	6·8	9 20	8·7	12 0	5·9	31
6·8	7·0	7·0	6·8	6·8	6·8	6·8	6·7	6·8	6·6					Mean.
6·7	7·0	7·0	6·6	6·6	6·7	6·6	6·6	6·6	6·5					Mean†

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6·5	6·8	6·9	6·9	6·9	6·7	6·7	6·6	6·6	6·6	9 10	7·8	11 48	5·4	1
6·3	6·3	6·6	6·3	6·3	6·4	6·3	6·4	6·3	6·5	9 46	8·2	6 24	5·4	2
6·2	6·7	6·8	6·4	6·4	6·3	6·6	6·5	6·4	6·3	16 20	6·9	6 51	5·5	3
6·9	7·4	7·3	6·5	6·7	6·5	6·5	6·5	6·3	6·4	16 0	7·5	11 16	5·5	4
6·5	6·8	6·4	6·3	6·4	6·6	6·4	6·5	6·7	6·4	9 50	6·9	6 51	5·7	5
7·3	7·5	7·1	6·5	6·7	6·9	6·8	6·3	6·9	6·7	4 30	7·9	11 56	5·5	6
8·1	8·3	7·6	6·8	6·8	6·8	7·1	6·8	7·0	7·0	15 40	8·6	11 20	5·5	7
7·2	7·4	7·1	6·7	6·6	6·6	6·3	6·5	6·7	6·5	15 26	7·4	11 24	4·5	8
6·9	7·3	7·1	7·0	6·9	6·7	6·5	6·5	6·6	6·5	16 25	7·3	11 28	4·7	9
7·1	7·4	7·0	6·2	6·5	6·6	6·6	6·6	6·3	6·6	9 4	7·6	12 0	4·8	10
6·7	7·4	7·3	6·9	6·9	6·7	6·6	6·6	6·7	6·7	9 8	9·1	12 0	5·6	11
5·4	6·1	6·5	6·5	6·5	6·5	6·5	6·4	6·3	6·1	8 44	8·1	11 4	4·1	12
5·4	6·4	6·9	6·7	6·6	6·5	6·5	6·5	6·4	6·2	8 51	6·9	11 50	4·7	13
5·5	5·8	5·9	6·1	6·1	6·1	6·1	6·0	6·0	5·9	8 0	7·0	12 28	4·3	†14
5·3	5·6	5·6	5·8	6·0	6·0	6·1	6·1	6·1	6·0	8 44	7·5	14 40	5·3	†15
6·5	6·6	7·4	6·5	6·3	6·0	5·9	6·0	6·1	5·9	16 52	7·5	11 36	4·1	16
6·8	6·9	6·3	5·9	6·2	6·3	6·2	6·3	6·4	6·1	15 48	7·0	11 44	5·0	17
6·9	7·6	7·1	6·5	6·2	6·1	6·1	6·1	6·1	6·3	16 0	7·6	12 25	4·7	†18
5·4	6·4	6·5	6·6	6·3	6·3	6·2	6·2	6·3	6·0	8 30	7·2	13 33	4·2	19
6·4	7·1	7·3	7·2	7·3	6·9	7·1	7·4	6·8	6·6	16 16	7·5	22 18	5·8	20
7·0	7·5	7·5	7·9	7·2	6·5	6·3	6·8	6·4	6·6	18 16	8·0	12 34	5·4	21
6·4	6·7	7·0	7·0	7·4	6·9	6·9	6·6	6·6	6·6	8 45	8·1	11 50	4·8	22
6·4	6·8	7·2	7·0	6·7	6·8	6·7	6·6	6·6	6·7	9 0	8·1	13 51	6·0	23
6·3	6·7	7·2	6·8	6·5	6·5	7·0	6·7	6·6	6·6	9 12	7·6	13 8	5·4	24
6·4	6·5	6·8	6·6	6·5	6·4	6·5	6·4	6·5	6·3	17 8	6·9	12 0	5·4	25
6·0	7·0	7·0	7·0	7·2	6·7	6·7	6·4	6·5	6·3	19 52	7·4	12 55	4·3	26
7·1	7·5	7·3	6·9	6·9	6·7	6·5	6·5	6·4	6·5	15 51	7·5	12 28	5·4	27
6·0	6·6	6·9	6·7	6·6	6·3	6·3	6·3	6·3	6·4	8 20	7·3	13 4	5·2	†28
6·1	6·5	6·8	6·6	6·4	6·3	6·4	6·4	6·3	6·4	8 32	8·4	12 30	5·1	†29
6·5	6·9	6·9	6·7	6·6	6·5	6·5	6·5	6·5	6·4					Mean.
6·0	6·4	6·5	6·3	6·3	6·2	6·2	6·2	6·2	6·2					Mean†

* The daily mean value of declination derived from 24 hourly values has been corrected for progressive change by 1/48 of the difference between the values of the initial and terminal hours [*i.e.* by 1/48 (a_{24}—a_0).]

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MARCH. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1†	6·3	6·3	6·3	6·3	6·1	6·0	6·1	6·6	7·5	8·2	8·1	7·8	6·9	6·4	6·4
2	6·1	6·2	6·3	6·0	6·0	5·9	6·0	6·3	6·8	7·0	6·8	6·5	5·6	5·9	6·1
3	6·1	6·2	6·2	6·4	6·0	6·0	6·3	6·5	7·2	7·3	6·8	5·7	5·2	5·5	5·7
4	6·9	7·0	6·9	6·8	6·4	6·1	6·3	6·5	7·1	7·3	7·1	6·2	5·5	5·5	5·9
5	6·5	6·7	6·5	6·3	6·2	6·3	6·3	6·5	7·2	7·6	7·1	6·0	5·1	4·9	4·9
6	6·8	6·7	6·8	6·7	6·7	6·7	6·9	7·3	7·4	7·4	6·9	6·1	5·6	5·6	6·1
7	7·3	7·1	6·9	6·6	6·2	6·1	6·3	6·4	7·4	7·7	7·7	7·6	7·5	6·5	5·8
8	6·5	6·8	6·5	7·0	6·3	6·0	6·3	6·1	6·6	6·7	6·7	6·8	6·7	6·7	5·9
9	6·6	6·8	7·1	7·4	7·1	6·5	6·4	6·4	6·6	7·1	7·6	7·3	6·7	5·9	5·2
10	6·7	6·7	6·9	6·5	6·6	5·9	6·1	5·8	5·7	6·2	6·4	5·9	5·0	5·2	5·4
11	6·4	6·6	6·4	6·3	6·1	6·0	5·6	5·3	6·1	6·9	6·8	6·5	6·1	6·1	6·6
12	6·4	6·4	6·4	6·3	5·9	6·1	6·1	6·2	6·9	6·8	7·0	6·8	5·9	5·6	5·6
13	6·0	6·1	6·2	6·1	6·0	5·9	6·0	6·0	6·6	7·3	7·6	7·2	6·5	6·2	6·5
14†	6·1	6·1	6·0	6·0	5·9	5·9	6·1	6·8	7·5	7·6	6·7	5·8	5·3	6·1	5·6
15†	6·1	5·9	6·0	5·9	5·9	5·8	5·9	6·5	6·7	6·3	6·3	5·9	5·1	4·8	5·5
16	6·1	6·0	6·0	5·9	5·8	5·7	5·8	6·1	6·4	6·3	6·4	5·9	4·9	4·1	4·6
17†	6·8	6·4	6·2	6·0	6·0	5·8	5·9	6·2	6·5	6·6	6·3	5·6	4·9	4·5	4·9
18	6·1	6·1	6·1	6·0	5·7	5·7	5·8	6·6	6·9	6·8	6·1	5·4	4·4	4·6	5·1
19	6·3	6·6	5·8	5·9	5·9	5·9	6·2	6·8	7·3	7·5	7·2	5·9	4·7	4·9	5·4
20	6·1	6·0	6·0	6·2	6·1	6·0	6·1	7·1	7·6	7·0	6·0	5·3	5·0	4·9	5·1
21	6·2	6·2	6·1	5·9	5·8	5·8	6·3	6·4	7·4	7·7	8·0	6·9	5·1	4·1	4·5
22	6·3	5·9	6·0	6·0	5·8	5·5	6·0	6·5	7·6	8·4	**8·5**	7·4	5·3	3·9	4·2
23	6·1	6·2	6·4	5·9	6·1	6·1	6·3	6·9	7·5	7·9	7·5	6·4	5·0	4·0	4·8
24	5·9	5·8	5·9	5·6	5·8	5·8	5·8	6·5	7·4	7·9	7·3	5·9	4·5	4·0	4·4
25	6·0	6·0	5·8	5·8	5·6	5·5	5·4	5·9	7·2	7·6	6·7	5·6	3·9	**3·4**	3·9
26	6·2	6·2	6·2	6·1	6·1	6·3	6·4	7·1	7·7	7·3	7·3	6·4	5·8	4·9	4·6
27	6·0	5·9	6·2	5·9	5·9	6·1	6·3	7·0	7·8	7·3	6·9	6·0	4·6	4·2	4·3
28†	6·1	6·1	6·1	6·1	5·9	5·8	6·0	6·4	7·1	7·2	6·7	5·0	3·8	3·8	4·9
29	6·2	6·2	6·1	6·0	5·9	5·9	6·0	7·0	8·1	7·8	7·4	5·7	4·5	4·2	4·5
30	6·2	6·2	6·2	6·1	5·9	5·8	5·9	6·5	7·1	7·1	6·7	5·2	4·3	4·4	4·8
31	6·8	6·2	5·4	6·2	6·3	6·7	6·4	7·4	8·0	6·9	6·0	5·0	4·3	4·1	5·5
Mean .	6·3	6·3	6·3	6·2	6·1	6·0	6·1	6·5	7·1	**7·3**	7·0	6·2	5·3	**5·0**	5·1
Mean† .	6·3	6·2	6·1	6·1	6·0	5·9	6·0	6·5	7·0	**7·2**	6·8	6·0	5·2	**5·1**	5·5

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1	6·4	6·6	6·4	6·3	6·3	6·1	6·2	7·1	8·2	7·8	6·4	5·2	4·1	3·9	4·8
2	6·3	6·3	6·3	6·3	6·3	6·3	6·7	8·2	8·8	8·1	7·0	5·7	4·9	4·6	5·4
3	6·3	6·3	6·3	6·2	6·3	6·3	6·5	7·6	8·0	7·9	7·0	5·0	4·4	4·7	5·0
4†	6·4	6·7	6·5	6·3	6·2	6·3	7·2	8·2	8·4	6·4	5·1	4·3	3·1	2·7	3·4
5†	6·2	6·2	6·3	6·3	6·3	6·5	7·2	8·7	9·2	7·6	5·7	4·7	4·0	4·3	4·7
6	6·3	6·3	6·3	6·3	6·4	6·4	6·8	7·8	8·2	7·9	6·8	5·6	4·7	4·7	5·4
7	5·8	5·9	6·1	5·9	6·1	6·2	7·1	7·8	8·0	7·1	6·1	5·0	4·3	3·9	4·7
8	6·8	7·0	7·2	7·1	6·6	6·4	6·6	6·9	7·4	7·3	6·6	5·5	4·6	4·6	5·3
9	6·3	6·2	6·3	6·2	6·1	6·0	6·1	7·1	7·8	8·1	7·3	6·2	4·9	4·3	4·5
10	6·3	6·4	6·3	6·2	6·2	6·1	6·2	7·2	7·5	7·3	6·5	5·3	4·2	3·9	4·6
11†	6·1	6·1	6·1	6·1	6·0	5·9	6·2	7·5	8·4	8·2	7·3	6·0	4·7	4·4	4·8
12	6·4	6·3	6·3	6·1	5·9	6·1	6·5	7·7	8·2	8·2	7·2	6·1	5·0	4·7	5·3
13†	6·2	6·2	6·2	6·3	6·1	6·2	6·3	7·1	7·2	6·8	6·2	4·9	3·7	3·5	3·8
14	6·0	6·1	6·1	6·1	6·1	6·2	6·5	7·8	8·3	7·6	6·3	4·9	3·9	3·9	4·2
15	6·0	6·0	6·3	6·4	6·3	6·2	6·2	7·3	8·4	8·5	6·8	5·2	4·2	4·3	4·8
16	6·2	6·3	6·3	6·3	6·2	6·0	6·3	7·7	8·7	8·3	7·3	5·9	4·5	4·4	4·9
17	6·1	6·0	6·1	6·2	6·2	6·2	6·9	8·4	8·9	7·9	6·3	4·7	3·5	3·3	4·5
18	6·3	6·2	6·0	6·3	6·3	6·5	7·0	7·9	8·1	7·8	6·9	5·1	3·5	3·2	3·9
19	6·1	6·4	6·2	6·1	6·0	5·9	6·3	7·4	7·8	7·8	6·9	5·0	3·8	3·1	3·3
20	6·3	6·5	6·5	6·4	6·4	6·2	6·9	7·8	8·5	8·8	7·9	5·7	3·3	**2·5**	3·2
21	6·2	6·3	6·3	6·3	6·1	6·2	6·2	7·3	8·6	**9·4**	7·7	5·2	3·8	4·1	4·7
22	5·9	6·0	6·0	5·9	6·0	6·0	5·9	6·5	7·1	7·5	7·1	5·9	4·8	4·6	4·7
23	6·0	6·0	6·1	6·0	6·0	6·3	6·3	6·9	7·3	7·1	6·0	5·0	4·7	4·8	4·8
24	6·2	6·2	6·2	6·1	6·0	5·9	5·9	7·3	8·3	8·0	6·5	4·7	3·6	3·8	4·8
25	5·9	6·1	6·3	6·1	5·9	6·0	5·5	6·7	7·6	7·8	6·4	4·8	4·0	4·4	5·0
26	6·2	6·2	6·1	6·1	6·1	6·3	6·5	7·5	7·9	7·7	6·5	5·1	4·5	4·9	5·4
27	6·4	6·5	6·4	6·4	6·4	6·6	7·0	7·4	6·7	6·0	5·3	4·5	4·4	4·9	5·4
28	6·4	6·4	6·2	6·4	6·3	6·4	7·0	8·2	7·9	6·8	5·9	4·5	3·4	3·6	4·5
29	6·4	6·3	6·3	6·3	6·1	6·2	7·1	8·3	8·5	7·9	6·9	5·5	4·4	4·3	4·9
30†	6·5	6·4	6·4	6·2	6·2	6·4	7·2	8·5	8·9	7·9	5·5	4·3	3·3	3·3	3·6
Mean .	6·2	6·3	6·3	6·3	6·2	6·2	6·5	7·6	**8·1**	7·7	6·6	5·2	**4·1**	4·1	4·6
Mean† .	6·3	6·3	6·3	6·2	6·2	6·3	6·8	8·0	**8·4**	7·4	6·0	4·9	3·8	**3·7**	4·1

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MARCH. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
6·6	6·9	6·9	6·4	6·4	6·2	6·2	6·2	6·1	6·6	9 10	**8·9**	5 4	**5·9**	†1
6·0	6·4	6·2	6·2	6·2	6·5	6·6	6·3	6·1	6·2	8 40	7·2	11 51	5·6	2
5·9	6·2	6·8	6·8	6·8	6·5	6·7	6·8	6·7	6·4	8 20	7·5	11 36	5·1	3
6·7	7·0	6·9	6·3	6·3	6·2	6·4	6·4	6·6	6·5	9 16	7·5	12 16	5·4	4
6·1	7·2	7·1	6·9	6·6	6·7	6·8	6·9	7·0	6·5	8 40	7·7	12 12	4·9	5
6·4	6·8	6·7	6·3	6·1	6·8	6·6	6·9	7·4	**6·7**	8 32	7·5	12 24	5·4	6
5·8	5·7	5·7	5·9	5·8	5·9	6·0	6·2	6·6	6·5	9 36	7·8	16 12	5·7	7
5·5	5·5	5·7	5·8	6·4	6·6	6·1	6·1	6·3	6·3	2 51	7·0	15 0	5·4	8
5·8	6·6	6·4	6·4	6·2	6·1	6·1	6·3	6·7	6·5	9 36	7·6	14 0	5·1	9
5·6	6·0	6·0	5·9	6·0	6·0	6·1	6·2	6·3	6·1	1 51	6·9	11 51	5·0	10
6·8	7·4	7·4	6·7	6·5	6·1	6·1	6·1	6·2	6·4	16 24	7·5	6 40	5·0	11
5·7	5·6	5·9	5·9	6·2	6·1	6·2	6·3	6·2	6·2	8 4	7·1	12 20	5·4	12
6·9	7·0	6·9	6·6	6·5	6·3	6·2	6·2	6·1	6·5	9 50	8·0	4 20	5·9	13
6·1	6·5	6·5	6·4	6·4	6·1	6·1	6·1	6·1	6·3	8 24	7·6	12 36	4·9	†14
6·2	6·9	6·6	6·6	6·3	6·1	6·1	6·1	6·1	6·1	15 51	6·9	12 24	4·8	†15
5·5	5·6	5·7	5·9	6·0	6·0	6·2	6·6	7·0	5·9	22 36	7·0	13 0	4·0	16
6·0	6·4	6·6	6·4	6·4	6·3	6·4	6·4	6·1	6·0	0 0	6·8	12 48	4·5	†17
5·8	6·4	6·4	5·9	5·6	5·6	5·9	5·9	6·1	5·9	8 18	7·0	12 4	4·3	18
6·5	7·0	7·1	6·6	6·5	6·3	6·3	6·3	5·9	6·3	8 51	7·5	12 28	4·6	19
5·5	6·0	6·5	6·8	6·1	6·0	5·9	6·0	6·1	6·1	7 51	7·6	12 16	4·3	20
5·4	6·4	6·5	6·6	6·3	6·1	6·1	6·3	6·1	6·2	9 48	8·0	12 28	4·1	21
5·3	6·3	6·5	6·1	5·9	6·2	6·3	6·2	6·2	6·2	9 28	8·4	13 0	3·8	22
5·9	7·0	7·4	7·2	6·5	6·1	6·3	5·9	5·9	6·3	8 56	8·4	13 0	3·8	23
5·3	5·6	5·5	5·6	5·7	5·6	5·7	5·8	6·0	5·8	8 48	7·9	12 42	4·0	24
4·9	5·3	6·6	6·2	5·9	5·8	5·9	6·0	6·2	**5·7**	8 56	7·9	12 54	**3·3**	25
5·3	5·8	5·9	6·0	6·2	6·2	6·1	6·0	5·9	6·2	7 36	7·7	13 20	4·6	26
5·3	6·1	6·7	6·4	6·4	6·3	6·2	6·0	6·3	6·1	7 52	7·9	12 51	4·2	27
5·6	6·3	6·4	6·4	6·3	6·1	6·1	6·2	6·1	5·9	8 20	7·9	12 12	3·7	†28
5·5	6·3	6·5	6·3	6·0	5·8	5·8	6·3	6·3	6·1	8 16	8·9	12 24	4·1	29
5·3	6·3	6·0	6·1	6·1	6·3	6·2	6·2	6·9	6·0	8 44	7·2	12 0	3·7	30
5·2	5·8	6·1	6·1	6·0	6·2	6·3	6·4	6·5	6·1	7 30	8·0	12 24	3·7	31
5·8	6·3	6·5	6·3	6·2	6·2	6·2	6·3	6·3	6·2					Mean.
6·1	6·6	6·6	6·4	6·4	6·2	6·2	6·2	6·1	6·2					Mean†.

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5·9	6·4	6·5	6·3	5·9	6·1	6·2	6·3	6·3	6·1	8 12	8·3	12 51	3·9	1
6·6	7·1	6·9	6·5	6·1	6·0	6·1	6·1	6·2	**6·4**	7 52	9·0	12 32	4·6	2
6·0	6·8	6·9	6·4	5·9	5·9	6·3	6·3	6·5	6·3	8 24	8·2	11 51	4·4	3
4·5	6·2	7·0	6·9	6·2	6·1	6·2	6·2	6·2	6·0	7 20	8·4	12 40	2·6	†4
5·3	6·0	6·6	6·5	6·1	5·8	5·9	6·1	6·1	6·2	7 48	9·2	11 36	4·0	†5
6·0	6·4	6·5	5·9	5·3	5·3	5·5	6·0	5·9	6·2	7 44	8·3	13 6	4·5	6
4·9	5·5	5·7	5·6	5·6	5·8	5·9	6·3	6·6	5·9	7 24	8·1	12 28	3·9	7
5·8	6·2	6·4	6·2	6·0	5·9	6·0	6·1	6·2	6·3	7 51	7·4	12 30	4·5	8
4·7	5·1	5·5	5·9	5·8	5·7	5·8	6·0	6·4	6·0	8 48	8·3	12 32	4·1	9
5·1	5·8	6·3	6·4	6·2	6·0	6·0	6·0	6·1	6·0	7 40	7·5	12 14	3·7	10
5·3	6·0	6·2	6·3	6·2	6·2	6·2	6·3	6·3	6·2	8 8	8·5	12 20	4·2	†11
6·1	6·3	6·1	5·9	5·9	5·9	5·9	5·9	6·3	6·3	8 12	8·3	12 24	4·7	12
4·7	5·7	6·1	6·1	6·0	5·8	5·8	5·9	6·0	**5·8**	7 28	7·5	12 25	3·2	†13
5·2	5·6	5·9	5·9	5·6	5·6	5·6	5·7	5·8	5·9	7 32	8·3	12 0	3·7	14
5·8	6·3	6·3	6·0	6·0	5·8	5·9	5·9	6·6	6·1	8 20	8·6	12 20	3·9	15
5·8	6·5	6·5	6·4	5·8	5·8	5·8	5·8	6·0	6·3	7 56	8·8	12 20	4·1	16
5·2	5·8	6·0	6·0	6·4	5·9	5·7	5·7	6·0	6·0	7 51	8·9	12 4	3·3	17
5·0	6·0	6·0	5·9	5·7	5·8	5·8	5·9	6·1	6·0	7 16	8·4	12 0	3·1	18
3·9	5·4	6·3	6·4	6·2	5·9	5·9	6·0	6·2	5·9	8 20	8·2	13 8	2·7	19
4·4	5·4	5·8	6·1	6·0	5·3	5·8	6·1	6·3	6·0	8 40	8·9	12 40	2·3	20
5·3	5·3	5·5	5·8	5·5	5·4	5·6	5·8	5·8	6·0	8 50	**9·4**	11 51	3·8	21
5·3	6·2	6·5	6·5	6·1	5·7	6·0	5·8	5·9	6·0	9 16	7·6	12 20	4·4	22
5·3	5·7	5·7	6·1	6·1	6·0	6·0	6·2	6·2	6·0	8 20	7·4	12 16	4·5	23
5·5	5·8	6·0	6·0	6·0	5·9	5·9	5·9	5·8	5·9	8 0	8·5	12 20	3·5	24
5·5	5·9	6·5	6·6	6·3	5·8	6·0	6·2	6·1	6·0	8 36	8·1	12 0	3·8	25
6·2	6·8	7·4	7·3	6·8	6·7	7·2	6·5	6·3	6·4	8 20	8·0	12 20	4·3	26
6·4	6·6	6·7	6·2	6·1	6·1	6·3	6·4	6·4	6·1	6 40	7·6	11 20	4·2	27
5·4	6·1	6·4	6·2	6·0	5·9	6·1	6·4	6·3	6·0	7 10	8·3	12 8	3·2	28
5·7	6·8	6·9	6·4	6·0	5·9	6·1	6·3	6·4	6·3	7 20	8·6	12 24	4·1	29
4·5	5·5	6·4	6·4	5·9	5·9	5·9	6·1	6·1	6·0	7 40	8·9	11 40	3·2	†30
5·4	6·1	6·3	6·2	6·0	5·9	6·0	6·1	6·2	6·1					Mean.
4·9	5·9	6·5	6·4	6·1	6·0	6·0	6·1	6·1	6·0					Mean†.

*See footnote on page 87.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MAY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡ 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	6·3	6·3	6·4	6·4	6·4	6·6	7·3	8·5	8·4	7·9	6·1	4·8	3·9	3·7	4·5
2	6·4	6·1	6·0	6·1	6·1	6·3	7·3	7·9	7·6	6·8	5·3	4·1	3·8	3·8	4·6
3	6·2	6·3	6·3	6·4	6·2	6·2	6·9	7·8	7·4	6·4	5·4	4·5	4·3	4·9	5·2
4	5·9	6·1	6·1	6·1	6·1	6·2	7·3	7·8	7·6	6·5	5·4	4·5	4·4	4·5	4·7
5	6·0	6·1	6·3	6·3	6·3	6·4	7·2	7·8	7·6	7·0	5·6	4·8	4·6	4·4	4·5
6†	5·9	6·0	6·1	6·0	6·0	6·0	6·4	7·2	7·3	6·7	6·1	5·6	4·7	4·5	4·6
7†	6·0	6·3	6·3	6·2	5·9	5·8	6·0	7·2	7·7	7·0	5·9	4·7	3·8	3·8	3·8
8	6·2	6·2	6·1	6·1	6·1	6·0	5·9	7·6	8·4	7·5	6·4	5·6	5·0	4·5	4·6
9	6·0	6·3	6·5	6·3	6·0	6·1	5·8	7·0	8·4	9·0	7·0	5·5	4·1	3·3	3·8
10	6·1	6·0	6·0	6·1	6·3	6·2	6·3	7·2	7·8	7·7	6·7	5·1	3·8	3·5	4·1
11	6·0	6·0	6·0	6·1	6·2	6·4	7·2	8·3	9·0	8·5	7·2	5·5	4·9	4·9	5·0
12	6·2	6·3	6·2	6·3	6·2	6·2	6·6	7·9	9·0	8·5	6·6	5·1	4·2	4·4	4·9
13	6·2	6·5	6·6	6·5	6·5	6·1	6·2	7·5	8·4	7·9	6·3	5·0	4·7	4·6	5·0
14†	6·3	6·2	6·1	6·2	6·3	6·4	7·3	8·6	9·2	8·1	5·8	4·4	4·2	4·3	5·0
15	5·9	6·1	6·1	5·8	6·1	6·3	7·1	8·6	8·8	7·9	6·3	5·0	5·1	5·4	6·3
16	6·1	6·3	6·1	6·1	6·1	6·3	7·3	8·1	8·3	7·8	6·7	5·9	5·4	5·3	5·4
17	6·5	6·7	6·4	6·1	6·1	6·2	7·4	8·6	8·9	7·9	6·1	4·9	4·7	5·3	6·1
18†	6·1	6·0	6·3	6·3	6·3	6·2	7·2	8·4	8·7	8·1	6·5	5·2	4·7	4·7	5·6
19	6·2	6·2	6·2	6·2	6·0	6·1	6·7	7·4	7·5	6·7	5·8	4·5	3·6	3·2	4·1
20	6·1	6·2	6·3	6·4	6·5	6·5	7·4	8·4	9·0	8·0	6·5	5·3	4·9	4·9	4·8
21	6·3	6·3	6·4	6·3	6·2	6·0	6·3	7·6	9·1	9·0	6·7	4·6	3·6	2·9	3·4
22	6·4	6·6	6·9	6·8	6·6	6·8	7·1	7·2	7·0	5·7	4·7	5·4	6·6	6·8	7·0
23	7·2	8·4	8·3	7·9	8·3	8·5	7·9	8·8	8·9	7·9	6·5	5·1	4·4	4·0	5·3
24	7·7	7·1	7·5	7·2	7·1	7·4	8·1	8·9	8·3	7·4	5·9	5·2	4·4	3·8	4·1
25	6·7	6·7	7·0	7·1	6·9	6·5	7·0	8·3	8·6	8·5	7·6	7·0	5·9	5·4	5·0
26	6·8	6·9	6·9	6·7	6·4	6·5	6·5	7·8	8·8	8·5	7·7	6·9	5·9	5·4	5·5
27	6·7	6·6	6·8	6·8	6·9	6·4	7·1	7·9	8·0	7·5	6·5	5·3	4·6	4·2	4·2
28	5·8	5·8	5·8	5·7	5·7	5·7	5·9	6·8	7·1	6·8	5·8	4·9	5·0	5·1	5·5
29	6·8	6·9	6·8	6·8	6·8	6·9	7·5	7·7	7·6	7·3	6·4	5·0	3·9	4·0	5·0
30	6·2	6·2	6·3	6·3	6·3	6·4	6·8	7·9	8·2	8·2	7·5	6·3	5·3	5·4	5·8
31†	6·5	6·7	6·5	6·5	6·4	6·4	7·0	7·4	7·1	6·4	6·2	4·9	3·5	3·2	4·2
Mean . .	6·3	6·4	6·4	6·4	6·4	6·4	6·9	7·9	8·2	7·6	6·3	5·2	4·6	4·5	4·9
Mean† . .	6·2	6·2	6·3	6·2	6·2	6·2	6·8	7·7	8·0	7·3	6·1	5·0	4·2	4·1	4·6

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1	6·3	6·3	6·3	6·2	6·0	6·0	7·1	8·1	8·4	7·6	6·3	5·2	4·1	3·8	3·9
2	6·1	6·1	6·1	6·0	6·1	6·2	7·3	7·9	7·9	6·8	5·3	4·1	3·2	3·2	4·1
3†	6·0	6·1	6·1	6·0	6·0	6·2	7·5	8·6	8·4	7·5	5·6	4·5	4·1	4·1	4·0
4	6·0	6·0	6·0	5·9	5·9	6·0	6·9	7·9	8·6	8·1	7·0	5·5	4·0	3·3	3·5
5	6·0	6·1	6·0	6·1	5·9	6·2	7·1	8·0	8·2	7·1	6·4	5·7	5·3	5·0	5·6
6†	6·2	6·1	6·1	6·1	6·1	6·3	7·3	8·0	7·8	7·3	5·7	4·2	3·3	3·5	3·9
7†	6·1	6·3	6·2	6·2	6·1	6·1	6·3	7·1	7·5	7·0	6·2	5·4	4·8	4·7	4·4
8†	6·2	6·3	6·2	6·3	6·2	6·2	6·6	7·6	8·1	8·0	6·9	5·6	3·9	3·7	3·3
9	6·2	6·3	6·3	6·2	6·1	6·3	6·9	7·9	7·4	6·1	4·5	3·3	2·7	2·9	3·9
10	6·4	6·5	6·7	6·6	6·5	6·5	6·7	7·6	8·1	8·1	7·1	5·9	4·3	6·2	4·9
11	7·5	7·5	7·7	7·2	7·3	7·1	7·8	8·0	7·6	7·4	6·7	5·7	5·2	5·6	6·1
12	6·2	6·5	6·8	7·3	8·9	6·9	8·1	9·2	9·3	8·7	7·5	6·4	5·5	5·6	5·6
13	6·3	6·5	6·6	6·6	6·6	6·7	7·3	7·7	7·3	6·9	5·9	5·3	4·8	4·7	5·3
14†	6·5	6·7	6·6	6·5	6·5	6·7	7·6	7·8	7·4	6·7	4·8	3·4	3·2	3·0	4·0
15	6·4	6·5	6·6	6·5	6·4	6·6	7·7	8·7	8·2	7·1	5·6	3·6	2·6	3·0	4·2
16	5·9	6·3	6·4	6·4	6·6	6·9	8·0	8·8	9·0	8·2	6·4	5·0	4·1	3·6	4·0
17	6·4	6·5	6·6	6·5	6·5	6·6	7·7	8·5	9·0	7·9	6·4	5·2	4·0	3·4	3·1
18	6·1	6·1	6·1	6·1	6·2	6·2	7·2	8·0	8·4	7·4	6·1	5·1	3·9	3·0	3·2
19	6·8	7·3	7·6	7·9	7·5	7·8	8·1	8·8	8·5	7·4	6·1	4·0	3·0	3·0	3·0
20	6·8	7·3	8·0	7·0	7·1	7·4	7·1	8·6	9·8	8·3	7·1	6·3	5·3	4·5	4·7
21	6·4	6·6	6·5	6·6	6·4	6·5	7·6	8·0	7·9	7·3	6·1	4·8	3·9	3·9	4·0
22	6·1	6·5	6·7	7·1	6·4	6·5	7·0	8·0	8·2	7·5	6·3	4·7	3·6	3·9	4·0
23	6·1	6·3	6·5	6·4	6·3	6·4	6·9	7·0	6·6	6·3	6·3	4·9	4·6	4·5	4·5
24	6·3	6·3	6·2	6·4	6·5	6·5	7·1	7·3	7·6	7·2	6·4	5·3	4·5	4·1	3·9
25	6·1	6·1	6·2	6·2	6·1	6·0	6·4	7·8	8·8	8·8	7·6	5·4	3·4	2·7	3·0
26	6·1	6·2	6·1	6·2	6·2	6·1	6·4	7·6	8·5	8·4	6·6	4·8	3·1	3·3	3·5
27	5·7	5·7	5·6	5·5	5·5	5·6	6·9	7·7	8·0	7·0	5·9	5·2	4·5	4·3	4·6
28	5·8	5·9	6·1	6·2	6·3	6·6	7·2	8·0	7·9	7·1	6·4	5·3	4·8	4·0	3·5
29	5·7	5·9	6·1	5·9	6·0	6·1	6·9	7·4	7·5	7·1	5·9	5·5	3·6	3·8	4·4
30	5·8	5·9	6·0	6·0	6·0	6·5	7·4	7·5	7·3	5·9	4·5	3·8	4·4	3·0	3·5
Mean .	6·2	6·3	6·4	6·4	6·4	6·5	7·2	8·0	8·1	7·4	6·2	5·0	4·1	3·9	4·1
Mean† .	6·2	6·3	6·2	6·2	6·1	6·3	7·1	7·8	7·8	7·3	5·8	4·6	3·9	3·8	3·9

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MAY. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
5·8	6·5	6·6	6·0	5·8	5·8	6·0	6·1	6·1	6·2	7 20	8·6	12 8	3·4	1
5·6	6·4	6·5	6·5	6·3	5·9	6·0	6·1	6·2	6·0	6 48	8·0	12 44	3·6	2
5·6	6·0	6·0	5·7	5·5	5·3	5·5	5·8	5·9	5·9	7 0	7·9	11 44	4·3	3
5·4	6·1	6·3	5·9	5·8	5·5	5·4	5·7	5·8	5·9	7 0	8·0	11 28	4·3	4
5·1	5·8	6·1	6·1	5·9	5·7	5·5	5·8	5·9	6·0	7 20	8·0	12 32	4·3	5
5·2	6·0	6·0	5·8	5·6	5·4	5·6	5·7	5·9	5·9	7 0	7·5	12 22	4·3	†6
4·3	4·9	5·3	5·4	5·4	5·4	5·8	6·0	6·1	**5·6**	7 44	7·8	12 16	3·7	†7
5·0	5·4	5·5	5·5	5·4	5·3	5·5	5·8	6·0	5·9	8 0	8·5	12 40	4·4	8
4·6	5·5	5·8	5·8	5·6	5·6	5·6	5·8	5·8	5·9	8 40	9·1	13 4	3·0	9
4·8	5·7	6·1	5·8	5·7	5·6	5·6	5·7	5·8	5·8	8 20	8·2	12 40	3·4	10
5·4	5·5	5·9	5·7	5·8	5·7	5·8	5·9	6·1	6·2	8 10	9·2	11 40	4·5	11
5·0	5·6	5·5	5·5	5·8	5·7	5·8	6·1	6·0	6·1	7 51	9·0	12 32	4·1	12
5·7	6·0	6·4	6·4	6·2	6·0	6·1	6·1	6·2	6·2	8 12	8·7	11 20	4·4	13
5·4	5·9	6·2	6·1	5·9	5·7	5·7	5·8	5·9	6·1	7 40	**9·3**	12 4	4·1	†14
6·1	5·9	5·7	5·8	5·8	5·3	5·5	5·7	5·9	6·2	8 4	9·2	10 56	4·6	15
5·9	6·1	5·9	5·4	5·0	5·0	5·1	5·3	5·8	6·1	7 36	8·4	18 40	4·8	16
6·4	6·3	6·0	6·1	5·7	5·6	5·6	5·8	5·9	6·3	7 50	8·9	11 36	4·6	17
6·6	7·3	7·5	7·1	6·2	5·9	5·8	5·8	5·9	6·4	8 4	8·9	12 24	4·5	†18
4·9	6·1	6·0	5·9	5·7	5·6	5·7	5·9	6·1	5·8	7 20	7·9	13 0	3·0	19
5·2	5·9	6·4	6·3	6·0	5·9	5·9	6·1	6·3	6·3	7 56	9·1	12 20	4·7	20
3·7	3·8	6·0	5·5	5·5	5·5	6·1	6·0	5·9	5·8	8 20	9·2	12 32	**2·7**	21
8·0	8·0	7·4	7·8	7·3	7·5	7·5	7·6	7·5	**6·9**	15 56	8·2	10 0	4·4	22
6·3	6·8	6·5	6·3	5·6	5·6	5·8	5·6	7·0	6·8	7 12	9·0	12 44	3·8	23
4·7	5·6	6·0	6·4	6·3	6·1	6·0	6·1	6·3	6·4	7 4	9·2	12 40	3·7	24
4·9	5·6	5·8	5·9	6·0	5·9	6·0	6·2	6·5	6·5	7 44	8·8	14 18	4·8	25
5·3	5·8	6·0	6·1	5·9	5·8	6·0	6·4	6·6	6·5	8 4	9·0	13 0	5·2	26
4·9	6·0	5·8	5·6	5·5	5·5	5·5	5·6	5·8	6·0	7 20	8·1	13 20	3·9	27
6·2	6·1	6·5	6·5	6·5	6·5	6·7	6·6	6·6	6·1	7 36	7·5	13 16	4·6	28
5·5	5·8	5·4	5·5	5·3	5·5	5·5	5·8	6·0	6·1	7 40	7·9	11 56	3·7	29
6·3	6·5	6·6	6·1	6·0	5·5	5·8	5·9	6·2	6·4	7 22	8·4	12 20	5·2	30
5·1	5·7	6.0	6·0	5.7	5·8	5·8	5·9	6·0	5·9	6 52	7·5	12 40	3·1	†31
5·5	5·9	6·1	6·0	5·8	5·7	5·8	6·0	6·1	6·1					Mean
5·3	5·9	6·2	6·1	5·8	5·7	5·7	5·9	6·0	6·0					Mean†

JUNE.

4·7	5·7	5·9	6·1	5·6	5·4	5·6	5·9	6·0	5·9	7 40	8·5	13 20	3·7	1
5·0	5·4	5·9	5·9	5·4	5·5	5·6	5·8	5·9	5·7	7 4	8·0	12 16	2·9	2
5·2	6·0	6·5	6·4	5·7	5·5	5·5	5·5	5·8	5·9	7 20	8·8	13 20	3·8	†3
4·8	5·7	6·2	6·2	5·6	5·3	5·1	5·5	5·8	5·9	7 56	8·9	13 0	3·2	4
6·5	6·8	6·4	5·8	5·4	5·3	5·4	5·6	5·9	6·2	7 32	8·3	12 48	4·7	5
4·2	4·8	5·1	5·2	5·3	5·3	5·4	5·7	5·8	5·6	7 20	8·1	12 16	3·1	†6
4·4	4·6	4·9	5·0	5·3	5·4	5·5	5·8	6·1	5·7	7 32	8·0	13 40	4·2	†7
3·3	3·9	4·7	4·9	5·0	5·3	5·5	5·7	6·0	5·7	7 40	8·2	14 16	3·2	†8
4·6	5·3	5·7	5·3	5·1	4·9	5·0	5·5	5·9	**5·4**	7 16	8·1	12 8	**2·5**	9
4·3	5·2	5·3	5·9	6·3	7·2	7·8	7·3	8·9	6·5	22 56	9·2	14 42	3·9	10
6·7	6·9	6·9	7·0	6·2	6·1	6·1	6·0	5·7	**6·7**	6 20	8·3	11 44	5·1	11
5·6	5·9	5·9	5·9	5·7	5·7	6·0	6·2	6·4	6·7	3 46	9·4	12 0	5·1	**12**
5·6	6·4	5·9	6·3	5·7	6·1	6·1	6·3	6·5	6·2	6 58	7·9	12 36	4·4	13
5·3	5·9	6·1	6·3	5·9	5·8	6·1	6·1	6·3	5·9	6 48	8·0	13 0	2·9	†14
4·9	5·9	6·2	6·1	5·6	5·6	5·7	5·8	5·8	5·9	7 4	9·0	11 54	2·5	15
4·5	5·2	5·7	6·3	5·4	5·5	5·8	5·7	6·2	6·1	7 20	9·3	12 28	3·4	16
3·8	4·8	5·6	6·2	6·1	5·9	6·0	6·1	6·0	6·0	7 40	9·3	13 4	2·9	17
3·8	4·6	4·7	5·5	5·6	5·1	5·5	5·8	6·2	5·7	7 56	8·7	12 40	2·9	18
3·9	4·3	4·9	5·2	4·1	5·3	5·9	6·5	7·0	6·0	7 10	9·3	12 20	2·9	19
4·9	5·7	6·2	6·1	6·1	5·8	5·9	6·3	6·4	6·5	7 44	**10·1**	12 40	4·0	20
4·2	4·5	4·9	5·6	5·5	5·1	5·5	5·5	6·1	5·8	6 40	8·2	11 48	3·8	21
4·6	5·2	5·6	5·5	5·5	5·5	5·6	5·6	5·8	5·9	7 20	8·3	12 0	3·5	22
4·9	5·9	6·2	5·9	5·7	5·7	5·8	6·0	6·0	5·9	6 32	7·2	12 20	4·3	23
4·5	4·8	5·1	5·6	5·6	5·6	5·6	5·8	6·0	5·9	7 20	7·8	13 20	3·8	24
4·1	4·7	5·1	5·5	5·3	5·2	5·3	5·6	5·8	5·7	8 20	9·1	12 40	2·6	25
3·9	4·5	5·1	5·6	5·5	5·5	5·5	5·5	5·7	5·7	8 20	9·1	12 20	2·8	26
5·4	5·5	5·6	5·5	5·3	5·1	5·2	5·2	5·6	5·7	7 40	8·3	12 24	4·0	27
4·3	4·8	5·5	5·8	5·4	5·2	5·2	5·5	5·6	5·7	7 10	8·2	14 4	3·3	28
4·7	5·2	5·8	5·8	5·4	5·4	5·4	5·4	5·4	5·7	8 0	7·6	12 10	3·4	29
4·6	5·5	5·8	5·8	5·5	5·1	5·3	5·6	5·9	5·5	6 20	8·0	12 48	2·9	30
4·7	5·3	5·7	5·8	5·5	5·5	5·7	5·8	6·1	5·9					Mean
4·5	5·1	5·5	5·6	5·5	5·5	5·6	5·8	6·0	5·8					Mean†

*See footnote on page 87.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JULY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡ 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	6·2	6·1	6·3	6·2	6·3	6·5	7·1	8·1	8·4	7·1	5·7	4·9	4·1	3·5	4·3
2	6·1	6·2	6·3	6·3	6·2	6·3	7·5	8·6	8·8	7·9	6·4	5·1	3·8	3·5	3·5
3†	6·1	6·3	6·3	6·3	6·1	6·1	7·2	7·8	7·8	6·9	5·3	4·1	3·7	4·1	3·9
4†	5·9	6·2	6·3	6·3	6·1	6·3	6·8	7·6	8·1	7·6	5·9	4·3	3·0	2·7	3·5
5	6·2	6·2	6·2	6·3	6·2	6·3	7·1	7·9	8·1	7·4	5·8	4·3	2·7	2·7	2·6
6	6·0	6·1	6·3	6·3	6·5	6·7	7·9	9·1	9·0	8·6	5·8	3·9	3·1	2·7	3·1
7	6·1	6·4	6·5	6·5	6·6	6·7	7·5	8·3	8·7	8·1	6·4	4·5	2·8	1·9	1·9
8	6·2	6·3	6·4	6·3	6·3	6·2	6·7	8·2	8·7	7·9	6·4	4·7	3·8	4·0	4·0
9	6·3	6·1	6·3	6·1	6·1	6·5	7·0	8·2	8·4	7·7	6·3	4·7	3·3	1·9	1·7
10	6·4	6·0	6·5	6·3	6·1	6·8	8·2	9·5	9·7	8·8	7·5	6·8	6·4	4·9	4·8
11	6·0	6·0	6·1	6·3	6·1	6·5	7·6	8·3	8·1	7·3	5·7	5·1	4·4	4·1	5·1
12	5·7	5·8	5·9	6·1	6·1	6·6	7·7	8·3	8·2	7·7	5·5	3·2	3·0	3·2	4·1
13	5·9	5·9	6·1	6·0	6·1	6·4	7·4	7·5	7·3	7·3	6·0	4·8	4·9	6·1	5·5
14	6·5	5·5	5·5	5·5	5·6	5·9	6·6	7·4	7·3	6·6	4·4	2·6	1·5	2·1	3·7
15	5·5	5·6	5·6	5·7	5·9	6·1	7·2	7·6	7·6	6·8	5·9	5·2	4·8	4·8	5·1
16	6·9	6·3	6·3	6·3	6·6	6·7	7·9	8·4	8·3	7·3	5·0	3·1	2·8	2·8	3·7
17	5·9	6·1	6·4	6·4	6·4	5·8	6·3	6·7	6·7	5·9	5·1	3·9	3·4	4·1	4·5
18	5·8	5·9	6·1	6·1	6·3	6·5	7·0	8·1	7·8	7·2	6·2	4·2	3·3	2·9	2·7
19	5·6	5·7	5·7	6·0	5·9	6·1	6·8	7·1	6·7	5·9	4·5	3·5	2·6	2·6	3·8
20	5·6	5·5	5·6	5·7	5·7	5·9	6·7	8·7	9·7	9·2	6·7	4·5	2·2	2·1	2·0
21	5·9	6·5	6·6	6·6	6·4	6·3	6·9	7·9	8·1	7·0	5·4	4·1	3·9	3·8	3·4
22	5·6	5·6	5·8	5·9	6·1	6·3	6·5	7·4	7·9	7·4	5·5	3·6	2·9	2·9	3·1
23†	5·6	5·5	5·8	5·8	5·8	6·0	6·7	7·7	7·8	6·3	4·5	3·6	4·0	4·0	5·0
24	5·6	5·7	5·7	5·8	5·8	5·8	6·3	7·1	7·1	6·5	5·4	4·5	3·6	3·4	3·7
25	5·3	5·5	5·7	5·6	5·5	5·9	6·7	7·6	7·7	6·3	4·3	3·1	2·8	2·8	3·3
26	5·6	5·8	5·9	5·9	5·9	6·0	6·7	7·6	7·8	6·8	6·1	5·7	4·8	3·3	3·3
27	5·4	5·2	5·6	5·7	5·9	6·5	7·5	7·9	7·7	7·0	5·3	4·7	4·5	4·5	5·6
28	5·7	5·9	6·1	5·7	6·3	6·2	6·9	7·9	8·0	6·9	5·8	5·1	4·3	4·5	4·8
29	5·5	5·7	5·7	5·7	5·6	5·6	6·5	7·3	7·7	6·9	5·3	4·2	3·3	2·8	3·5
30†	5·4	5·6	5·5	5·5	5·6	5·9	6·6	7·4	8·3	7·9	6·8	5·9	4·7	3·7	3·9
31†	5·3	5·4	5·5	5·5	5·5	5·7	6·7	7·8	7·3	6·8	5·7	4·5	3·7	3·4	4·1
Mean .	5·8	5·9	6·0	6·0	6·1	6·2	7·0	7·9	8·0	7·3	5·7	4·4	3·6	3·4	3·8
Mean† .	5·7	5·8	5·9	5·9	5·8	6·0	6·8	7·7	7·9	7·1	5·6	4·5	3·8	3·6	4·1

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1	5·2	5·4	5·4	5·4	5·5	5·7	6·5	6·7	7·1	7·3	5·9	4·2	3·9	3·3	4·1
2	5·2	5·3	5·3	5·5	5·7	5·9	6·5	7·5	7·5	6·7	5·3	3·7	2·7	2·9	3·1
3	5·6	5·6	5·6	5·8	5·9	6·1	6·5	6·8	6·7	5·5	4·5	4·2	3·3	2·7	2·7
4	5·4	5·4	5·4	5·5	5·7	5·9	6·6	7·5	7·5	6·9	5·4	4·3	3·1	2·7	3·4
5	5·2	5·4	5·4	5·6	5·6	5·9	6·7	6·9	7·6	8·0	6·7	5·2	4·1	3·1	2·6
6	5·2	5·4	5·5	5·3	5·7	6·0	6·7	7·3	7·7	6·9	5·5	4·5	3·8	3·2	3·6
7	5·3	5·5	5·4	5·6	5·6	5·7	6·4	7·5	8·1	7·8	6·4	4·7	3·3	3·2	3·4
8	5·3	5·3	5·3	5·4	5·6	5·7	6·5	7·7	8·0	6·4	4·7	2·8	1·2	1·5	2·6
9	5·1	5·3	5·3	5·5	5·7	5·9	6·6	7·3	7·1	6·3	5·1	4·2	3·5	3·8	5·4
10	5·3	5·5	5·6	5·6	5·8	6·3	7·0	7·3	6·9	6·4	4·7	3·8	3·6	3·6	4·4
11†	5·3	5·3	5·4	5·5	5·7	5·7	6·5	7·2	7·0	5·5	4·1	3·3	2·7	2·7	3·5
12†	5·2	5·3	5·4	5·5	5·7	5·9	6·9	7·9	8·0	7·2	5·8	4·3	3·9	3·6	3·9
13	5·3	5·4	5·5	5·5	5·5	5·8	6·7	7·7	7·7	6·3	5·0	3·2	3·3	3·2	3·3
14	5·3	5·4	5·4	5·4	5·4	5·6	6·8	7·9	8·2	7·0	4·8	3·5	3·1	2·2	2·7
15	5·0	5·0	5·0	5·1	5·1	5·4	6·7	7·3	6·7	5·5	4·3	2·8	2·5	2·5	3·5
16	5·0	5·0	5·2	5·2	5·3	5·5	6·4	7·3	7·1	5·5	3·5	2·0	1·5	2·2	3·0
17	5·1	5·2	5·4	5·6	5·7	6·0	7·3	8·1	7·3	5·5	3·3	2·2	2·2	2·6	3·2
18	5·5	5·9	6·0	6·1	6·2	6·5	7·0	8·7	9·1	7·4	5·8	4·2	3·3	3·2	3·2
19	5·5	5·5	5·5	5·7	5·8	6·1	6·9	7·7	8·1	7·5	6·5	5·3	4·5	3·9	3·9
20†	5·4	5·5	5·6	5·7	5·6	5·7	6·3	7·1	7·7	7·0	4·7	3·9	3·1	3·5	4·2
21†	5·4	5·6	5·7	5·7	5·6	5·6	6·2	7·2	8·1	6·8	5·3	4·9	3·9	3·1	3·5
22	5·3	5·4	5·6	5·7	5·8	5·8	6·1	6·7	6·8	5·8	5·1	4·3	3·7	3·6	3·5
23	5·5	5·5	5·6	5·5	5·5	5·4	5·8	7·0	7·7	7·7	6·9	5·9	4·4	3·9	3·5
24	5·3	5·2	5·3	5·4	5·6	5·7	6·5	7·6	7·9	7·1	6·0	4·5	3·5	3·3	3·2
25†	5·2	5·4	5·4	5·4	5·4	5·3	5·6	7·3	7·7	6·0	5·2	4·5	3·9	3·5	4·1
26	5·4	5·4	5·4	5·4	5·4	5·4	6·4	7·5	7·3	6·5	5·1	3·9	3·1	2·9	3·3
27	5·4	5·5	5·5	5·6	5·7	5·9	7·1	7·7	7·4	5·6	3·6	2·8	2·5	3·0	4·0
28	5·8	5·9	6·1	6·0	6·0	6·0	6·4	7·2	6·6	5·7	4·6	4·0	3·9	4·1	4·4
29	5·1	5·2	5·4	5·5	5·6	5·7	6·5	7·6	7·4	6·6	5·3	4·5	3·9	3·5	3·6
30	5·7	5·7	5·8	5·9	5·5	5·8	7·1	8·3	8·0	7·0	5·9	4·9	4·0	3·9	4·1
31	5·3	5·5	5·6	5·8	5·9	5·9	6·5	7·7	7·9	6·5	5·1	3·8	2·8	2·6	2·7
Mean .	5·3	5·4	5·5	5·6	5·6	5·8	6·6	7·5	7·5	6·6	5·2	4·0	3·3	3·1	3·5
Mean† .	5·3	5·4	5·5	5·5	5·6	5·6	6·3	7·3	7·7	6·5	5·0	4·2	3·5	3·3	3·8

† Five international quiet days.
‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JULY. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
5·4	5·5	6·0	5·9	5·3	5·2	5·5	5·8	6·0	5·9	7 48	8·8	13 4	3·4	1
4·7	6·0	6·5	5·9	5·5	5·6	5·8	5·9	6·2	6·0	7 52	9·2	13 8	3·3	2
4·8	5·2	5·9	6·1	5·9	5·7	5·6	5·8	5·8	5·8	7 20	8·1	11 26	3·4	†3
4·6	5·7	5·9	6·0	5·7	5·5	5·5	5·9	6·2	5·7	7 44	8·3	13 4	2·5	†4
2·6	3·8	5·1	5·6	5·5	5·5	5·5	5·7	5·8	5·5	7 56	8·5	14 20	2·2	5
4·9	5·8	6·3	6·2	5·6	5·5	5·6	5·7	5·8	5·9	7 12	9·3	13 4	2·5	6
2·9	3·8	4·8	5·7	5·5	5·4	5·6	5·7	6·0	5·6	8 0	8·8	13 32	1·5	7
4·6	5·8	6·1	6·2	5·9	5·7	5·7	5·9	6·0	6·0	7 40	8·9	12 12	3·4	8
2·8	3·8	5·1	6·1	5·9	6·0	5·8	5·9	6·0	5·6	7 52	8 5	13 28	1·3	9
5·4	6·2	6·9	6·5	6·3	6·1	5·9	5·9	6·0	**6·7**	7 40	**10·1**	13 20	4·3	10
6·1	6·3	6·2	6·2	5·8	5·6	5·6	5·4	5·7	6·1	7 20	8·5	13 4	3·9	11
5·7	6·4	6·3	5·7	5·1	5·2	5·3	5·4	5·7	5·7	7 40	8·5	11 40	2·9	12
5·9	6·1	6·0	5·9	5·4	5·3	5·4	5·4	5·5	5·9	6 40	7·9	11 16	4·6	13
5·0	5·7	5·6	5·7	5·6	5·2	5·1	5·1	5·1	5·2	7 20	7·8	12 8	**1·2**	14
5·5	5·9	5·9	5·7	5·1	5·1	5·3	5·4	5·4	5·8	7 20	7·9	12 4	4·6	15
3·9	4·5	4·7	5·1	5·1	5·4	5·5	5·6	5·8	5·5	6 56	8·9	12 40	2·5	16
5·1	5·9	6·0	5·5	4·9	4·9	5·1	5·4	5·7	5·5	7 24	6·9	11 44	3·2	17
4·1	5·8	6·5	6·0	5·6	5·2	5·0	5·2	5·3	5·6	7 4	8·5	13 20	2·5	18
3·9	4·5	5·4	5·8	5·5	5·3	5·4	5·6	5·6	5·2	6 42	7·4	12 40	2·5	19
3·4	5·0	5·8	5·8	5·2	5·2	5·4	5·2	5·8	5·5	7 56	10·0	13 51	2·0	20
4·2	4·7	5·1	5·5	5·2	5·3	5·1	5·2	5·5	5·6	7 20	8·5	13 52	3·2	21
3·6	4·4	5·3	5·7	5·5	5·2	5·1	5·2	5·5	5·3	8 8	8·2	12 12	2·6	22
5·9	5·9	5·6	5·4	5·1	5·1	5·2	5·3	5·5	5·5	7 20	8·3	10 40	3·3	†23
4·6	5·3	5·4	5·3	4·9	5·0	5·0	5·0	5·1	5·3	8 4	7·3	12 40	3·1	24
4·1	4·4	4·5	4·8	4·6	4·7	5·0	5·2	5·6	**5·1**	7 24	8·1	12 24	2·5	25
4·3	5·6	6·6	6·8	6·4	5·5	5·1	5·0	5·5	5·7	7 40	8·2	13 20	2·5	26
5·7	5·6	5·0	5·1	4·3	4·9	5·2	5·6	5·7	5·7	7 34	8·4	12 20	4·1	27
4·9	5·5	5·5	5·7	5·5	5·3	5·2	5·3	5·4	5·8	7 40	8·3	12 20	4·0	28
4·6	5·5	5·9	5·8	5·3	5·3	5·3	5·2	5·3	5·4	7 44	7·9	13 0	2·6	29
5·3	5·8	6·3	6·4	5·5	5·2	5·2	5·4	5·2	5·8	8 4	8·5	13 20	3·3	†30
5·1	5·5	5·8	5·7	5·2	4·9	4·9	5.0	5·1	5·4	7 6	8·0	12 40	3·2	†31
4·6	5·3	5·7	5·8	5·4	5·3	5·3	5·5	5·6	5·7					Mean
5·1	5·6	5·9	5·9	5·5	5·3	5·3	5·5	5·6	5·7					Mean†

AUGUST.

4·8	5·0	5·1	5·7	5·3	5·0	**4·9**	5·2	5·2	5·3	8 36	7·5	12 40	3·1	1
4·2	5·0	5·3	5·4	4·8	4·9	5·1	5·4	5·5	5·2	7 0	7·7	11 58	2·6	2
3·3	3·8	4·9	5·2	4·9	4·9	4·9	5·2	5·4	5·0	7 36	6·9	13 0	2·4	3
4·5	5·5	5·4	5·2	4·9	4·7	4·7	4·9	5·1	5·2	7 20	7·6	12 40	2·5	4
3·3	4·0	4·4	4·6	4·4	4·3	4·5	4·9	5·0	5·1	8 40	8·3	13 20	2·5	5
4·3	4·7	5·2	5·5	5·5	5·5	5·3	5·2	5·3	5·4	7 40	7·9	12 40	3·1	6
3·6	4·2	4·9	5·1	5·1	5·1	5·1	4·9	5·3	5·3	8 8	8·3	12 10	3·1	7
3·8	4·8	5·7	5·6	4·9	4·9	4·9	5·0	5·2	**4·9**	7 34	8·3	12 0	**0·9**	8
6·6	7·3	7·3	6·3	5·5	5·3	5·2	5·2	5·3	5·7	16 20	7·5	12 4	3·3	9
5·6	5·9	6·0	5·6	4·9	4·9	5·0	5·2	5·3	5·4	6 56	7·5	12 8	3·2	10
5·1	6·0	6·2	5·5	5·2	5·1	5·1	5·1	5·1	5·1	7 6	7·5	12 24	2·2	†11
4·7	5·9	6·1	5·8	5·3	5·1	4·9	5·1	5·2	5·5	7 40	8·3	13 16	3·4	†12
4·1	5·4	6·2	5·8	5·1	5·0	5·0	5·0	5·1	5·3	7 38	8·1	11 20	3·0	13
3·5	4·8	5·8	5·7	4·9	4·8	4·7	4·8	4·8	5·1	7 40	8·4	13 4	2·0	14
4·4	5·6	6·1	5·8	5·1	4·6	4·7	4·9	5·1	4·9	6 40	7·4	12 20	2·3	15
4·9	6·4	6·4	5·7	4·8	4·6	4·7	4·8	5·0	4·9	7 20	7·5	11 36	1·2	16
4·5	5·4	5·6	5·7	4·5	4·4	4·5	5·2	5·5	5·0	6 56	8·3	11 24	1·9	17
3·5	4·3	5·5	6·0	5·7	5·3	5·2	5·2	5·3	5·6	7 32	**9·5**	12 40	2·9	18
4·2	5·2	5·7	5·8	5·4	5·1	5·2	5·3	5·3	5·7	7 40	8·3	13 28	3·6	19
4·9	5·6	5·9	5·6	5·1	5·0	4·9	5·1	5·3	5·3	8 20	7·8	11 52	2·9	†20
4·8	5·5	6·0	5·8	5·3	5·3	5·2	5·2	5·3	5·5	8 4	8·2	13 0	2·9	†21
3·7	4·2	4·9	5·2	5·0	4·9	5·0	5·1	5·3	5·1	7 20	7·1	13 28	3·4	22
3·9	4·5	5·2	5·1	5·1	5·1	5·1	5·2	5·3	5·4	8 24	8·1	13 40	3·4	23
4·0	4·6	5·0	5·2	5·3	5·1	5·0	5·1	5·2	5·3	7 20	8·2	13 40	2·9	24
4·5	5·1	5·3	5·3	5·1	5·0	5·0	5·1	5·3	5·2	7 40	8·1	13 4	3·4	†25
4·0	5·1	5·9	5·7	5.5	5·1	5·1	5·3	5·4	5·2	7 20	7·7	12 52	2·7	26
5·1	5·5	5·7	5·3	5·2	5·2	5·3	5·5	5·5	5·2	7 4	7·9	11 52	2·3	27
4·7	5·6	5·9	6·1	5·3	5·1	5·0	5·1	5·1	5·4	6 40	7·5	12 0	3·7	28
4·3	5·3	6·1	6·1	5·6	5·6	5·6	6·1	6·1	5·5	7 20	7·7	12 34	3·4	29
4·5	4·9	5·2	5·2	4·8	4·7	4·9	5·1	5·1	5·5	7 4	8·5	12 38	3·7	30
3·4	4·4	5·1	5·2	5·2	5·0	5·0	5·1	5·2	5·1	7 12	8·1	12 20	2·3	31
4·3	5·1	5·6	5·5	5·1	5·0	5·0	5·1	5·3	5·3					Mean
4·8	5·6	5·9	5·6	5·2	5·1	5·1	5·1	5·2	5·3					Mean†

* See footnote on page 87.

† Five international quiet days.

‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction page 6).

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	5·3	5·5	5·7	5·7	5·7	5·7	6·1	7·1	7·3	6·2	4·5	3·6	3·7	3·6	3·8
2†	5·8	6·0	5·5	5·4	5·6	5·8	6·4	7·5	7·5	6·4	5·0	3·2	2·3	2·5	3·3
3	5·3	5·3	5·3	5·2	5·3	5·5	6·5	8·1	**8·7**	7·1	4·7	2·7	1·8	1·8	2·9
4	5·2	5·2	5·0	5·1	4·9	5·1	5·8	7·5	8·4	7·8	6·4	4·5	3·1	2·7	2·7
5	5·3	5·3	5·5	5·5	5·6	5·7	6·1	6·9	7·2	6·4	4·5	2·9	2·1	2·1	2·5
6	5·7	5·8	6·0	5·9	6·2	6·7	6·6	7·5	7·5	6·7	5·6	5·0	4·0	3·6	4·3
7	5·3	5·1	5·2	5·2	5·1	5·3	5·9	7·0	7·5	6·0	4·3	2·7	1·6	1·4	2·6
8	6·0	6·5	7·2	7·0	5·9	5·8	6·9	7·7	7·1	5·8	4·7	3·4	3·1	2·9	3·6
9	5·7	5·8	5·3	5·7	5·8	5·5	6·2	7·2	7·3	6·5	4·9	3·4	2·4	1·9	2·8
10	5·3	5·3	5·3	5·4	5·3	5·4	5·9	7·5	7·8	7·5	6·3	3·9	2·8	2·5	3·8
11†	5·3	5·2	5·1	4·9	5·1	5·4	6·2	7·6	8·0	6·3	3·8	2·5	1·5	1·5	2·0
12	5·3	5·3	5·4	5·3	5·3	5·4	5·8	7·0	7·6	6·2	4·5	3·0	2·1	2·1	2·8
13	5·9	5·8	5·9	5·7	6·3	6·6	7·0	8·1	8·5	7·3	5·3	3·5	2·8	2·8	3·2
14	5·2	5·2	5·5	5·6	5·6	5·7	6·1	7·7	8·2	7·2	5·0	3·5	2·7	3·1	3·8
15	5·1	5·1	5·1	5·3	5·6	5·6	6·3	7·1	6·2	4·3	2·7	1·5	**0·7**	1·7	3·1
16†	5·2	5·2	5·2	5·1	5·0	5·0	5·7	6·8	6·5	5·4	4·7	3·7	2·0	1·8	2·1
17†	5·1	5·3	5·3	5·2	5·3	5·5	6·3	7·1	6·7	5·4	4·0	2·3	1·3	1·7	2·9
18	5·2	5·2	5·1	5·1	5·2	5·2	6·2	7·1	6·7	5·7	5·1	4·0	3·1	2·6	3·1
19	4·9	5·2	5·3	5·3	5·4	5·5	5·8	6·6	7·0	6·3	5·3	4·4	2·4	1·5	2·5
20†	5·2	5·2	5·3	5·2	5·2	5·2	5·1	5·5	6·0	6·0	5·7	4·6	2·9	2·0	2·8
21	5·3	5·5	5·5	5·7	5·4	5·3	5·2	6·0	6·7	6·4	5·8	5·2	3·8	3·0	3·4
22	5·1	5·1	5·0	4·9	4·7	4·6	4·9	6·1	6·9	6·5	5·4	4·7	3·6	3·7	4·0
23	5·0	4·9	4·9	4·9	5·0	5·1	5·0	6·2	6·5	5·3	4·5	3·4	3·1	3·7	4·3
24	5·2	5·3	5·5	5·5	5·1	5·2	5·2	7·0	7·3	7·1	5·3	4·3	3·6	3·5	3·6
25	5·6	5·5	5·5	5·5	5·2	5·3	5·1	6·4	7·3	6·4	5·3	4·6	3·7	3·4	3·8
26	5·2	5·5	5·4	5·4	5·3	5·3	5·5	6·2	6·6	5·9	5·1	4·6	3·6	3·7	4·6
27	5·3	5·4	5·5	5·5	5·4	5·3	5·3	6·4	6·5	5·8	5·1	3·2	2·8	2·6	3·9
28	5·7	6·2	5·6	5·6	5·6	5·6	5·5	6·4	6·4	5·9	5·4	4·1	3·1	3·0	4·3
29	5·2	5·4	5·4	5·3	5·4	5·3	5·8	7·0	7·0	5·5	4·3	3·2	2·2	2·3	3·6
30	5·1	5·3	5·3	5·3	5·4	5·5	6·3	7·3	7·3	6·2	4·3	3·3	2·8	2·1	2·7
Mean	5·3	5·4	5·4	5·4	5·4	5·5	5·9	7·0	**7·2**	6·3	4·9	3·6	2·7	**2·6**	3·3
Mean†	5·3	5·4	5·3	5·2	5·2	5·4	5·9	**6·9**	6·9	5·9	4·6	3·3	2·0	**1·9**	2·6

OCTOBER.

1	5·0	5·2	5·2	5·3	5·0	5·1	5·3	6·3	6·5	5·2	4·1	3·5	2·7	2·5	3·1
2	5·2	5·3	5·2	5·3	5·3	5·1	5·4	6·5	**7·1**	6·3	5·4	4·2	3·8	3·9	4·1
3	5·0	5·1	5·1	5·0	4·9	4·9	5·0	6·3	7·0	6·2	5·4	4·7	3·5	2·8	2·6
4	4·9	4·9	4·8	4·9	4·9	5·1	5·2	5·8	6·0	5·6	5·3	4·2	3·3	2·9	3·5
5	5·0	5·2	5·2	5·0	5·0	5·0	5·1	5·6	5·5	4·9	4·5	3·4	2·3	2·7	3·8
6	4·9	4·9	5·0	5·1	5·2	5·2	5·3	5·9	5·7	4·8	3·9	3·5	2·7	2·4	3·5
7	4·9	4·9	5·0	5·0	5·0	4·9	5·2	5·1	3·7	2·7	2·9	3·4	3·3	2·5	3·1
8	4·8	4·8	4·8	4·7	4·6	4·4	4·9	5·3	5·4	4·5	3·1	3·1	2·5	2·8	3·8
9	5·3	5·3	5·3	5·3	5·4	5·3	5·3	5·8	6·1	5·2	4·1	3·4	2·8	3·2	4·2
10	4·8	4·8	4·8	4·7	4·8	4·8	4·9	5·9	6·2	4·8	2·8	1·8	**1·5**	2·1	3·3
11†	4·9	5·1	5·1	5·1	5·1	4·7	4·8	5·7	6·2	5·6	5·1	4·1	3·0	3·1	3·8
12†	5·1	5·2	5·1	4·9	4·9	4·9	5·1	6·1	6·5	5·9	5·8	3·5	2·9	2·5	3·2
13	4·7	4·7	4·7	4·7	4·6	4·6	4·8	5·6	5·8	5·0	3·8	2·7	2·4	2·4	3·5
14†	4·8	4·8	4·8	4·9	4·9	4·9	5·0	5·6	6·1	5·3	4·1	2·8	2·1	2·8	3·6
15	4·8	4·8	4·9	4·9	4·9	4·8	4·7	5·0	5·9	6·1	5·7	4·7	4·2	3·7	4·0
16	4·7	4·7	4·8	4·8	4·6	4·6	4·5	4·8	4·9	4·5	3·5	3·1	3·0	2·9	3·7
17	4·9	5·0	5·0	5·0	4·8	4·9	4·9	5·5	5·6	4·9	4·2	3·7	3·3	3·1	4·2
18	4·7	4·7	4·8	4·8	4·8	4·7	4·7	5·5	5·7	5·3	4·9	4·5	3·7	4·4	5·1
19	5·1	5·1	5·0	4·9	4·7	4·7	4·7	4·8	4·9	4·8	4·7	3·9	3·7	3·9	4·4
20	4·9	4·8	4·9	4·9	4·8	4·8	4·8	5·0	5·5	5·2	4·8	4·5	3·7	3·6	4·4
21	4·8	4·8	4·7	4·6	4·7	4·9	4·9	5·4	5·9	5·5	5·0	3·9	3·3	3·6	4·7
22	5·3	5·1	5·0	4·8	4·3	4·5	4·5	4·9	5·4	5·6	5·6	5·3	4·7	4·5	4·9
23	4·8	4·7	4·7	4·7	4·7	4·1	3·6	4·1	4·8	5·1	4·6	4·7	5·2	5·3	5·8
24	5·7	6·1	6·3	6·1	6·7	6·1	5·7	5·6	5·8	6·1	5·1	5·8	6·1	6·9	6·7
25	4·9	5·1	5·1	4·7	5·2	4·7	4·4	5·0	5·8	5·9	4·7	4·4	4·2	4·7	4·8
26	5·1	5·1	5·0	5·0	4·9	4·8	4·8	5·1	5·8	5·7	5·1	4·7	4·5	4·5	4·7
27	5·1	5·0	4·9	4·8	4·6	4·6	4·5	4·7	5·2	5·2	4·6	3·8	3·6	4·1	5·0
28	5·6	5·6	5·3	5·5	5·2	5·1	4·9	4·5	4·9	4·6	3·6	3·1	3·6	4·6	5·3
29†	5·1	5·1	5·1	5·1	4·9	4·7	4·7	4·6	4·6	4·4	4·5	4·5	4·6	5·3	5·8
30†	4·9	5·0	5·0	4·9	4·8	4·6	4·4	4·1	4·2	3·7	3·1	2·6	2·7	3·5	4·4
31	5·0	5·0	4·8	4·6	4·6	4·3	4·3	4·6	5·2	5·1	4·0	3·2	3·3	4·1	4·6
Mean	5·0	5·0	5·0	5·0	4·9	4·8	4·9	5·3	**5·6**	5·1	4·5	3·8	**3·4**	3·6	4·2
Mean†	5·0	5·1	5·0	5·0	4·9	4·8	4·8	5·2	**5·5**	5·0	**4·5**	**3·5**	**3·1**	3·4	4·2

† Five international quiet days.
‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
5·3	6·0	6·3	5·9	5·7	5·5	5·5	5·4	5·7	5·5	7 36	7·5	13 16	3·1	1
4·4	5·7	6·2	5·9	5·4	5·2	5·2	5·3	5·2	5·3	7 24	8·0	12 4	2·2	†2
3·9	5·0	5·7	5·5	5·3	5·2	5·1	5·1	5·1	5·1	7 40	**8·9**	12 12	1·6	3
3·9	4·8	5·0	5·2	5·1	5·1	4·9	4·9	5·1	5·1	7 54	8·9	13 20	2·4	4
3·5	4·5	5·3	5·2	5·0	4·9	5·4	5·5	5·6	4·9	7 28	7·4	11 40	1·7	5
5·2	6·0	6·4	6·4	5·6	5·4	5·4	5·5	5·4	**5·7**	7 24	7·8	13 4	3·5	6
3·5	4·2	4·3	4·8	4·8	4·8	5·0	5·2	6·3	**4·7**	7 40	8·0	12 36	1·2	7
4·5	4·9	5·1	5·6	6·0	5·4	5·4	5·3	5·3	5·5	6 52	8·0	12 40	2·7	8
4·3	5·5	5·9	5·7	5·5	5·1	5·1	5·5	5·4	5·2	7 20	7·5	12 40	1·8	9
4·5	5·8	6·1	5·6	5·4	5·6	5·3	5·3	5·3	5·4	7 40	7·9	12 36	2·2	10
3·5	5·2	5·9	5·7	5·1	4·8	5·0	5·1	5·3	4·8	7 40	8·1	12 28	1·2	†11
4·0	5·2	5·3	5·1	5·1	5·0	5·0	5·1	5·2	4·9	7 44	7·7	12 10	2·0	12
4·2	5·2	5·5	5·3	4·9	4·8	4·8	4·9	5·0	5·4	7 48	8·7	12 24	2·4	13
4·5	5·0	5·5	5·2	5·0	4·9	4·9	5·0	5·0	5·2	7 40	8·4	12 0	2·5	14
4·1	5·2	5·8	5·9	5·1	5·4	5·0	4·9	5·0	4·7	7 8	7·2	11 40	**0·4**	15
3·6	5·1	5·9	5·7	5·2	5·1	5·1	5·1	5·1	4·8	6 51	6·8	12 20	1·5	†16
4·2	5·3	5·4	5·4	5·1	4·9	5·0	4·9	5·1	4·8	7 20	7·6	11 40	1·2	†17
3·8	4·7	5·0	4·8	4·7	4·7	4·7	4·7	4·8	4·8	6 44	7·2	12 20	2·4	18
3·8	5·0	5·6	5·2	4·9	4·9	5·1	5·1	5·1	4·9	8 0	7·4	12 44	1·3	19
3·9	4·6	5·1	5·0	4·9	4·9	5·0	5·0	5·2	4·8	8 8	6·1	12 40	1·9	†20
4·0	4·5	4·8	4·7	4·7	4·7	4·7	4·9	5·0	5·0	8 0	6·9	13 0	2·7	21
4·9	5·5	5·4	5·0	5·0	4·9	4·9	4·7	4·9	5·0	8 4	7·1	12 12	3·5	22
5·1	5·5	5·1	5·0	4·9	5·0	5·1	5·3	5·3	4·9	7 40	6·7	12 4	2·9	23
3·8	4·1	4·6	4·7	4·9	5·0	5·1	5·3	5·5	5·1	7 36	7·5	11 44	3·3	24
4·7	5·6	5·7	5·5	5·4	5·0	5·0	5·0	5·1	5·2	8 2	7·5	13 8	3·3	25
5·8	6·4	6·0	5·5	5·3	5·4	5·0	5·2	5·2	5·3	7 40	6·8	12 6	3·4	26
4·8	5·4	5·5	4·9	5·0	4·9	5·0	5·2	5·5	5·0	7 20	6·5	11 24	2·4	27
5·5	6·2	6·1	5·5	5·5	5·3	5·3	5·3	5·2	5·3	7 20	6·5	12 24	2·8	28
4·9	5·7	5·4	5·0	5·3	4·9	4·6	4·9	5·0	4·9	7 20	7·4	12 32	2·1	29
4·3	5·3	5·4	4·9	4·7	4·8	4·8	5·0	5·0	4·9	7 24	7·5	12 56	2·0	30
4·3	5·2	5·5	5·3	5·1	5·0	5·0	5·1	5·2	5·1					Mean.
3·9	5·2	5·7	5·5	5·1	5·0	5·1	5·1	5·2	4·9					Mean.†

OCTOBER.

4·2	5·2	5·4	5·1	4·8	4·8	4·8	4·9	5·0	4·8	7 40	6·8	12 20	2·3	1
5·2	5·8	5·6	5·3	5·0	5·0	4·8	4·9	4·9	5·2	7 44	7·3	12 4	3·5	2
3·5	4·3	4·9	4·8	4·8	4·8	4·8	4·7	4·8	4·8	8 6	7·2	13 20	2·2	3
4·4	5·6	5·5	5·3	5·3	5·3	5·2	5·0	4·9	4·9	7 48	6·3	13 18	2·7	4
4·5	5·1	5·1	5·1	5·1	5·1	5·1	4·9	4·9	4·7	7 28	6·1	11 56	2·1	5
4·9	5·4	5·1	4·9	5·0	4·9	4·8	4·8	4·8	4·7	7 12	6·3	12 22	2·1	6
4·3	4·5	4·4	4·3	4·3	4·5	4·7	4·8	4·8	**4·3**	6 20	5·3	13 18	2·2	7
4·6	4·8	4·8	4·7	4·7	4·8	4·9	4·9	5·1	4·5	7 28	5·7	12 0	2·3	8
5·1	5·4	5·2	4·6	4·6	4·6	4·7	4·7	4·8	4·8	7 40	6·3	12 4	2·6	9
5·1	5·9	5·5	4·8	4·5	4·6	4·6	4·8	4·9	4·5	7 40	6·4	11 48	1·3	10
5·1	5·5	5·3	4·9	4·7	4·6	4·7	4·8	5·1	4·8	7 40	6·3	11 44	2·9	†11
4·3	5·4	5·5	4·8	4·7	4·7	4·8	4·6	4·7	4·8	7 48	6·8	12 44	2·4	†12
4·4	5·3	5·4	4·6	4·5	4·5	4·6	4·6	4·7	4·5	7 28	6·2	12 20	1·5	13
4·5	5·1	5·2	4·5	4·4	4·4	4·4	4·4	4·8	4·5	7 44	6·3	12 4	2·0	†14
4·5	4·7	4·5	4·0	4·2	4·3	4·4	4·3	4·4	4·7	8 18	6·3	12 56	3·6	15
4·4	4·8	4·6	4·3	4·3	4·3	4·5	4·4	4·7	4·3	7 28	5·1	12 40	2·8	16
5·1	5·5	5·3	4·7	4·6	4·6	4·7	4·6	4·8	4·7	7 32	6·1	12 24	3·0	17
5·7	5·5	5·4	5·2	5·7	5·2	5·1	5·0	5·0	5·0	18 56	6·1	11 40	3·4	18
4·5	4·9	4·9	4·6	4·6	4·6	4·6	4·7	4·8	4·6	0 10	5·2	11 40	3·4	19
4·8	4·9	4·9	4·8	4·7	4·7	4·6	4·6	4·7	4·7	8 20	5·9	12 40	3·4	20
5·0	5·0	4·6	4·5	4·5	4·5	5·1	5·2	5·2	4·8	7 44	6·3	11 40	3·1	21
5·2	4·9	4·8	4·8	4·8	4·8	4·7	4·7	4·7	4·9	8 36	6·2	12 24	4·2	22
5·8	5·4	4·8	4·7	4·5	4·9	5·2	5·0	5·3	4·9	14 10	6·1	6 10	3·4	23
6·7	5·6	5·2	4·8	4·8	4·8	4·9	5·0	5·1	**5·7**	12 54	7·1	18 48	4·6	24
5·2	5·2	4·9	5·2	5·3	5·1	5·1	5·1	5·2	5·0	7 44	6·2	11 40	3·9	25
4·7	4·9	4·7	4·8	4·7	4·7	4·8	5·1	5·1	4·9	8 12	6·1	11 20	4·5	26
5·6	5·4	5·1	4·6	4·7	4·7	4·8	5·2	5·4	4·8	15 20	5·9	11 24	3·4	27
5·9	5·4	4·8	4·6	4·6	4·7	4·7	4·7	4·9	4·8	15 4	6·1	11 0	2·9	28
5·9	5·7	5·2	4·9	4·8	4·7	4·6	4·7	4·8	4·9	14 40	6·1	9 36	4·2	†29
5·3	5·7	5·4	4·7	4·6	4·7	4·7	4·8	5·0	4·5	15 44	6·1	11 40	2·5	†30
5·0	5·0	4·5	4·3	4·3	4·3	4·2	4·5	4·6	4·5	8 20	5·5	11 12	2·9	31
4·9	5·2	5·0	4·7	4·7	4·7	4·8	4·8	4·9	4·7					Mean.
5·0	5·5	5·3	4·8	4·7	4·6	4·7	4·7	4·9	4·7					Mean.†

* See footnote on page 87.

† Five international quiet days.

‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6.)

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	4·6	4·3	4·2	4·5	4·3	4·1	4·5	4·5	5·1	4·8	4.1	3·8	3·8	4·6	5·5
2	4·7	5·1	5·1	5·1	5·0	4·7	4·5	4·5	4·4	3·9	3·3	2·1	2·3	3·0	3·9
3	5·1	5·1	5·3	5·1	4·8	4·4	4·2	4·5	5·5	5·8	4·7	4·4	4·3	4·8	5·1
4	4·9	5·1	5·2	4·9	4·7	4·4	4·4	5·0	5·1	4·4	4·0	3·7	3·8	4·4	4·8
5†	4·6	4·7	4·8	4·7	4·5	4·4	4·6	5·4	5·6	5·6	5·2	4·5	4·3	5·0	5·6
6	4·5	4·5	4·6	4·4	4·3	4·2	4·4	4·5	4·7	4·0	3·2	2·9	2·6	3·6	4·4
7	4·5	4·7	4·9	5·0	5·1	4·9	4·7	4·2	4·4	4·2	4·0	4·0	4·4	4·7	5·0
8†	4·8	4·9	4·7	4·7	4·6	4·5	4·5	4·5	4·5	3·9	3·4	3·0	3·1	3·9	4·3
9	4·7	4·7	4·7	4·4	4·3	4·2	4·1	4·7	5·1	5·1	4·6	4·0	4·5	4·9	4·9
10	4·7	4·6	4·4	4·1	4·2	4·2	4·1	4·2	5·5	5·8	5·3	4·6	4·5	4·6	4·7
11	4·8	5·1	4.9	5·1	4·7	4·5	4·1-	3·1	3·3	3·5	3·3	2·4	2·8	3·4	3·8
12	5·0	4·9	4·9	4·9	4·7	4·5	4·4	4·3	4·8	5·5	5·6	5·1	4·5	4·4	4·6
13	4·7	4·5	4·4	4·2	4·1	3·7	4·1	4·0	4·1	4·5	4·6	4·4	4·3	4·5	4·3
14	4·5	4·5	4·6	5·0	4·8	4·6	4·7	3·8	4·1	4·5	4·7	4·4	4·2	4·0	4·3
15	4·7	4·7	4·7	4·8	4·7	4·6	4·4	4·1	4·6	4·8	4·5	3·7	3·8	4·1	4·1
16	4·7	4·7	4·8	4·7	4·7	4·5	4·4	4·1	4·6	5·1	5·0	4·1	4·1	4·5	4·8
17†	4·7	4·8	4·8	4·7	4·5	4·5	4·5	4·1	4·2	4·3	4·4	4·3	4·0	4·7	5·2
18†	4·5	4·5	4·6	4·5	4·2	4·2	4·2	3·6	3·9	4·5	4·7	3·6	2·8	3·3	4·4
19	4·4	4·3	4·4	4·4	4·2	4·2	4·2	3·9	4·2	4·8	5·1	4·4	4·7	5·3	5·4
20	4·9	4·8	4·8	4·4	4·3	4·0	4·1	3·8	3·9	3·8	3·4	3·3	3·7	4·4	4·6
21	4·6	4·7	4·5	4·5	4·2	4·1	4·0	3·9	4·3	4·7	4·5	4·2	4·5	5·3	5·0
22	4·8	4·6	4·6	4·4	4·3	4·2	4·1	3·5	4·0	4·5	4·9	4·6	4·5	4·5	4·8
23	4·6	4·5	4·5	4·4	4·2	4·2	4·1	3·7	3·7	3·5	3·2	3·0	3·2	3·8	3·9
24	4·6	4·6	4·3	4·3	4·2	4·1	4·0	3·3	3·3	3·7	4·1	4·5	4·5	4·4	4·1
25	6·4	6·6	6·7	6·6	6·5	6·0	5·3	3·9	3·7	3·9	4·2	4·5	4·8	5·1	5·1
26	4·8	4·8	4·8	4·5	4·5	4·4	4·1	3·7	4·1	3·9	3·9	3·9	4·1	5·0	5·1
27	4·7	4·6	4·3	3·8	3·8	3·7	3·3	3·1	3·6	3·9	4·5	4·4	4·6	5·4	5·5
28	4·6	4·7	4·6	4·5	4·3	3·9	3·8	2·9	3·0	3·7	3·9	4·4	4·5	5·7	5·7
29	4·8	4·6	4·6	4·1	3·9	4·0	3·9	3·5	3·7	4·1	4·4	4·4	4·7	5·2	5·5
30†	4·6	4·7	4·6	4·6	4·6	4·6	4·7	4·4	4·8	4·9	4·5	4·2	3·9	4·1	4·6
Mean .	4·7	4·8	4·7	4·7	4·5	4·3	4·3	4·0	4·3	4·5	4·3	4·0	4·0	4·5	4·8
Mean† .	4·6	4·7	4·7	4·6	4·5	4·4	4·5	4·4	4·6	4·7	4·4	3·9	3·6	4·2	4·8

DECEMBER.

1	4·6	4·5	4·5	4·4	4·3	4·1	4·1	3·7	3·8	4·2	4·6	4·2	3·8	4·2	4·5
2	4·5	4·6	4·6	4·3	4·3	4·1	4·0	3·8	4·2	4·9	5·0	4·5	4·6	5·2	4·7
3	4·4	4·4	4·4	4·1	4·3	4·2	4·3	4·0	4·8	5·8	6·2	5·5	5·5	6·2	5·3
4	4·6	4·3	4·4	4 3	4·5	4·3	4·2	4·0	4·1	4·3	5·3	4·9	4·1	4·6	5·1
5†	4·6	4·6	4·5	4·2	4·1	4·1	4·1	3·9	4·5	5·0	5·2	4·8	4·7	4·9	5·2
6†	4·6	4·5	4·4	4·5	4·1	4·1	4·1	4·0	4·1	5·0	4·9	4·5	4·2	4·3	4·4
7	4·6	4·4	4·3	4·2	3·9	3·8	3·8	3·7	4·4	5·1	5·1	4·3	3·5	3·6	3·8
8	4·9	4·7	4·1	3·9	3·4	3·4	3·4	3·4	3·5	4·4	4·8	4·1	3·9	4·7	4·7
9	5·1	4·8	4·4	4·2	4·2	4·1	4·2	4·0	4·7	5·8	5·8	4·8	4·5	5·0	5·5
10	5·0	4·8	4·8	4·7	4·6	4·3	4·1	3·6	3·7	4·1	4·3	4·3	4·1	4·7	5·1
11	4·9	4·8	4·9	4·7	4·6	4·3	4·2	4·3	4·6	5·2	5·2	4·2	4·0	4·3	4·4
12	4·7	4·6	4·7	4·6	4·2	3·4	4·1	4·4	4·9	6·0	6·6	4·7	4·1	4·3	4·8
13	5·0	4·9	4·5	4·2	3·8	3·8	3·8	4·4	5·0	5·5	5·4	4·3	3·3	3·0	3·6
14	4·8	4·7	4·6	4·4	4·3	4·2	4·4	4·2	4·7	5·2	5·2	4·2	3·7	4·3	4·6
15	4·8	4·9	4·8	4·4	4·3	4·2	4·3	4·3	4·5	5·0	4·5	3·5	3·5	4·2	4·7
16†	4·8	5·0	4·9	4·8	4·6	4·6	4·5	4·6	5·2	5·9	5·9	4·8	4·6	4·3	4·3
17	4·4	4·4	4·3	4·3	4·4	4·3	4·3	4·4	4·9	5·5	5·1	3·4	3·1	3·7	4·0
18	4·4	4·4	4·3	4·5	4·4	3·4	3·5	3·0	3·5	4·3	4·5	3·9	3·3	4·2	4·5
19	4·4	4·5	4·6	4·5	4·4	4·2	4·1	3·7	4·2	5·0	4·9	4·5	4·3	4·5	4·5
20	4·5	4·6	4·3	4·2	3·8	3·7	3·7	3·5	3·5	4·9	5·1	4·2	3·7	4·1	4·3
21	4·5	4·5	4·3	4·4	4·4	3·7	3·8	2·9	3·5	4·5	5·2	4·3	3·1	3·5	4·1
22	4·7	4·8	4·6	4·3	4·3	4·3	4·0	3·8	4·3	5·6	6·2	5·6	5·3	5·1	4·8
23	4·4	4·4	4·3	4·2	4·1	3·9	3·7	3·5	4·5	5·1	5·2	4·6	3·7	4·2	5·0
24	4·7	4·7	4·6	4·7	4·4	4·3	4·2	3·9	4·1	5·4	6·0	5·8	5·6	4·1	3·5
25	4·4	4·5	4·5	4·3	4·4	4·2	4·2	4·1	4·6	5·4	5·2	4·9	4·6	4·9	4·6
26	4·5	4·4	4·4	4·4	4·4	4·2	4·2	3·8	4·2	5·8	6·5	6·1	5·3	5·0	4·3
27	4·5	4·4	4·4	4·3	4·1	3·9	3·8	3·3	3·6	5·1	4·8	4·0	3·9	4·2	4·8
28	4·4	4·4	4·3	4·4	4·4	4·0	3·9	3·6	3·7	4·8	5·5	5·3	4·5	5·3	5·3
29†	4·5	4·3	4·3	4·5	4·2	4·1	3·9	3·8	4·0	4·7	4·9	4·1	3·9	4·3	4·7
30†	4·5	4·6	4·4	4·4	4·1	3·8	3·8	3·5	3·9	4·9	5·5	5·0	5·0	4·7	4·5
31	4·6	4·7	4·6	4·5	4·5	4·2	3·9	3·5	3·5	3·7	3·8	4·0	3·3	3·0	3·8
Mean .	4·6	4·6	4·5	4·4	4·3	4·0	4·0	3·8	4·2	5·0	5·2	4·6	4·1	4·4	4·6
Mean† .	4·6	4·6	4·5	4·4	4·2	4·1	4·1	4·0	4·3	5·1	5·7	4·6	4·5	4·5	4·6

† Five international quiet days.
‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.*		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
6·1	5·7	5·0	4·5	4·7	4·6	4·6	4·6	4·7	4·6	15 6	6·2	11 8	3·3	1
4·6	4·7	4·6	4·5	4·6	4·8	5·0	5·0	5·0	4·4	3 40	5·3	11 20	1·8	2
4·9	4·6	4·5	4·7	5·0	5·0	4·6	4·6	4·7	4·8	8 40	6·1	6 20	3·9	3
4·9	4·9	4·8	4·7	4·7	4·6	4·6	4·6	4·6	4·6	1 40	5·3	11 28	3·4	4
5·8	5·4	5·0	4·7	4·7	4·6	4·4	4·4	4·6	4·9	15 8	6·1	11 40	4·0	†5
4·5	4·6	4·6	4·5	4·5	4·4	4·5	4·5	4·5	4·2	7 40	4·9	11 40	2·3	6
5·3	4·7	4·5	4·7	4·7	4·7	4·7	4·8	4·9	4·7	14 28	5·6	10 48	3·7	7
4·6	4·5	4·3	4·4	4·5	4·6	4·6	4·6	4·7	4·3	0 28	5·0	11 16	2·8	†8
4·9	4·5	3·9	4·0	4·3	4·4	4·4	4·4	4·4	4·5	8 28	5·4	11 4	3·8	9
5·0	5·1	4·7	4·2	4·2	4·4	4·4	4·6	4·8	4·6	8 40	6·1	6 4	3·8	10
4·4	4·8	4·5	4·6	4·6	4·7	4·8	4·9	4·9	4·2	0 30	5·3	10 56	2·2	11
4·9	5·1	4·9	4·6	4·5	4·6	4·5	4·4	4·4	4·7	9 4	6·0	6 28	3·9	12
3·9	3·9	4·0	4·1	4·2	4·4	4·4	4·5	4·6	4·3	8 44	5·0	5 2	3·4	13
4·4	4·7	4·7	4·7	4·5	4·5	4·5	4·7	4·7	4·5	5 58	5·2	6 40	3·6	14
4·2	4·6	4·8	4·7	4·7	4·6	4·5	4·6	4·6	4·5	9 20	5·1	11 12	3·5	15
4·9	4·9	4·7	4·6	4·5	4·4	4·4	4·5	4·5	4·6	9 4	5·5	6 58	3·7	16
5·1	4·9	4·7	4·6	4·5	4·4	4·5	4·4	4·5	4·5	14 20	5·5	6 44	3·7	†17
4·3	4·2	4·6	4·6	4·6	4·3	4·3	4·5	4·4	4·2	9 36	5·0	11 44	2·6	†18
5·2	5·4	5·1	5·0	5·8	5·3	5·2	5·1	5·0	4·8	19 8	6·2	6 40	3·7	19
4·6	4·7	5·1	4·9	4·9	5·0	4·6	4·5	4·5	4·4	19 4	5·4	11 16	3·1	20
4·9	4·4	4·6	4·6	4·7	4·6	4·6	4·7	4·7	4·5	13 20	5·8	6 36	3·7	21
4·7	4·5	4·6	4·8	4·6	4·6	4·6	4·5	4·5	4·5	10 24	5·1	6 40	3·3	22
4·4	4·4	4·4	4·4	4·4	4·4	4·3	4·4	4·5	4·1	0 20	4·8	10 44	2·7	23
4·1	4·0	4·8	4·7	5·0	4·9	6·3	6·2	6·2	4·5	23 28	6·9	7 40	3·1	24
5·0	4·8	4·5	4·4	4·8	4·8	4·9	4·9	4·9	5·1	4 8	7·0	8 20	3·5	25
4·7	4·8	4·7	4·7	4·8	4·8	4·7	4·7	4·8	4·5	13 48	5·2	6 32	3·4	26
4·8	4·6	4·5	4·5	4·7	4·6	4·6	4·6	4·6	4·4	13 24	5·9	7 10	2·9	27
5·1	4·9	4·7	4·6	4·4	4·4	4·1	4·4	4·7	4·4	12 8	5·9	7 36	2·6	28
4·8	4·6	4·3	4·2	4·3	4·4	4·4	4·4	4·6	4·4	13 48	5·9	6 44	3·3	29
4·9	4·3	4·4	4·5	4·6	4·5	4·5	4·4	4·5	4·5	14 44	5·0	11 56	3·7	†30
4·8	4·7	4·6	4·5	4·6	4·6	4·6	4·7	4·7	4·5					Mean.
4·9	4·7	4·6	4·5	4·6	4·5	4·5	4·5	4·5	4·5					Mean.†

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4·7	4·9	4·9	4·8	4·6	4·5	4·4	4·4	4·5	4·4	16 40	5·2	6 54	3·5	1
4·3	4·7	4·9	4·7	4·6	4·6	4·4	4·4	4·4	4·5	13 2	5·7	6 58	3·7	2
4·7	4·8	4·9	4·8	4·8	4·4	4·4	4·5	4·4	4·8	9 40	6·6	6 48	3·8	3
5·1	5·1	4·9	4·9	4·7	4·6	4·6	4·6	4·5	4·6	10 4	5·4	7 28	3·5	4
5·2	4·9	4·9	4·7	4·7	4·7	4·6	4·5	4·6	4·6	9 20	6·3	6 40	3·7	†5
4·0	4·5	4·6	4·7	4·6	4·7	4·7	4·5	4·5	4·4	9 4	5·2	6 56	3·5	†6
4·0	4·6	4·8	4·6	4·5	4·6	4·5	4·5	4·9	4·3	9 16	5·8	11 40	3·3	7
4·7	4·6	4·7	4·8	4·9	5·0	5·1	5·0	5·1	4·4	21 12	5·3	4 44	3·3	8
5·7	5·2	4·6	4·9	4·7	5·1	4·9	5·0	4·9	4·8	9 28	6·1	6 40	3·8	9
5·3	5·3	5·0	5·0	5·0	5·1	4·9	4·8	4·9	4·6	14 32	5·9	7 2	3·5	10
4·5	5·0	4·9	5·0	5·0	4·7	4·7	4·7	4·9	4·7	9 20	5·4	11 44	3·6	11
4·9	5·2	5·4	5·1	5·0	5·1	4·9	4·9	5·0	4·8	9 40	7·0	5 4	3·3	12
3·9	4·7	4·8	4·7	4·7	4·7	4·7	4·7	4·9	4·4	9 20	6·2	12 20	2·8	13
4·7	4·7	4·8	4·6	4·6	4·8	4·6	4·7	4·8	4·6	9 8	5·7	11 44	3·8	14
4·9	5·2	5·0	4·9	4·7	4·8	4·6	4·7	4·7	4·5	9 8	5·4	11 40	3·3	15
4·4	4·6	4·6	4·6	4·6	4·8	4·7	4·5	4·4	4·7	9 30	6·1	5 40	4·2	†16
4·2	4·9	4·9	4·9	4·9	4·7	4·5	4·3	4·3	4·4	9 12	5·7	11 42	2·9	17
4·4	4·5	4·6	4·5	4·7	4·7	4·4	4·3	4·3	4·2	19 20	5·0	7 22	2·8	18
4·3	4·2	4·8	4·5	4·6	4·6	4·5	4·3	4·4	4·5	9 8	5·5	7 10	3·6	19
4·6	4·9	4·9	4·5	4·7	4·6	4·5	4·5	4·6	4·3	9 40	5·6	7 20	3·2	20
4·7	5·0	5·0	5·3	4·7	4·8	4·7	4·7	4·7	4·4	17 20	5·7	6 58	2·7	21
4·3	4·3	4·8	4·6	4·7	4·8	4·6	4·4	4·3	4·7	9 32	6·5	6 48	3·7	22
4·7	4·9	4·4	4·4	4·8	4·6	4·6	4·6	4·6	4·4	9 12	5·5	6 48	3·2	23
3·3	3·7	4·3	4·5	4·8	4·7	4·5	4·5	4·4	4·5	9 8	6·1	14 20	3·1	24
4·4	3·7	4·4	4·4	4·6	4·6	4·6	4·6	4·4	4·5	9 16	5·8	14 56	3·2	25
4·3	4·8	4·7	4·6	4·5	4·6	4·5	4·5	4·5	4·7	10 24	6·8	7 4	3·6	26
5·6	5·4	5·0	4·6	4·7	4·8	4·5	4·5	4·5	4·5	15 30	6·1	6 51	3·3	27
5·1	5·1	4·5	4·6	4·6	4·6	4·4	4·3	4·5	4·6	13 20	5·8	7 4	3·5	28
5·1	5·1	4·3	4·4	4·5	4·5	4·5	4·5	4·5	4·4	15 24	5·7	7 2	3·7	†29
4·2	4·7	4·7	4·6	4·7	4·7	4·5	4·5	4·6	4·5	9 14	5·7	7 4	3·3	†30
4·4	5·5	5·6	4·7	4·6	4·6	4·4	4·5	4·5	4·3	16 30	6·0	12 20	2·6	31
4·6	4·8	4·8	4·7	4·7	4·7	4·6	4·6	4·6	4·5					Mean.
4·6	4·7	4·6	4·6	4·6	4·7	4·6	4·5	4·5	4·5					Mean.†

* See footnote on page 87.
† Five international quiet days.
‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	984	987	988	990	991	992	993	996	999	1000	1005	1006	1005	1001	1004
2	993	996	997	997	997	994	996	1000	1007	1011	1013	1016	1014	1010	1003
3	1001	1000	1015	1006	1008	1011	1016	1016	1005	1007	1009	1018	1005	1005	1003
4	963	975	974	983	979	979	979	980	990	995	997	999	996	993	985
5	984	985	983	983	982	986	986	991	1000	1003	1001	999	997	992	987
6	991	992	994	995	994	994	997	1001	1004	1009	1013	1014	1012	1007	1000
7	994	997	998	1001	1001	1005	1002	1012	1013	1018	1029	1019	1015	1002	1001
8	988	995	998	996	995	993	992	999	1005	1012	1016	1019	1021	1012	999
9	999	997	994	984	980	986	995	997	1002	1009	1023	1023	1024	1015	1000
10	990	993	988	989	992	999	1004	1008	1012	1020	1022	1020	1019	1008	996
11	947	961	980	979	976	976	978	979	990	997	1005	1005	1010	1006	994
12†	972	968	981	984	983	977	977	987	999	1007	1005	1005	1009	1008	1002
13†	979	979	980	979	980	982	984	988	995	999	1002	1011	1017	1013	1008
14†	988	988	988	989	991	993	994	998	1002	1002	997	1001	1006	1009	1006
15	993	992	992	992	992	993	995	1000	1003	1008	1007	1000	1004	1003	1001
16	973	992	983	975	983	988	993	999	1001	1007	1010	1012	1006	1008	1008
17	985	985	984	982	984	983	990	993	999	1007	1010	1008	1011	1007	1000
18	991	983	994	984	985	987	990	996	1002	1007	1007	1005	1005	1004	994
19	989	989	994	993	988	994	994	997	995	995	993	995	997	994	996
20†	986	991	996	995	991	993	996	999	1003	1004	1001	999	999	1002	1001
21	994	994	997	996	996	997	1001	1005	1010	1014	1023	1030	1027	1023	1020
22	1003	1004	1004	1005	1007	1008	1010	1007	1013	1004	1005	998	995	1000	1000
23	965	976	984	993	987	989	995	1007	1019	1033	1041	**1048**	1019	1001	989
24	984	976	989	992	987	989	990	989	997	1004	1010	1019	1013	1006	1002
25	983	994	983	988	989	991	997	988	989	995	1000	1009	1018	1018	1005
26	989	990	993	990	992	993	993	992	989	997	1006	1017	1017	1012	1001
27	979	986	988	987	989	989	987	991	989	996	1005	1016	1015	1013	1006
28	999	999	996	997	996	996	999	1004	1012	1025	1036	1045	1045	1038	1030
29	1002	999	1001	1001	1000	1001	1000	1001	1003	1005	1007	1041	1040	1039	1033
30	978	**897**	955	921	920	977	942	1004	974	959	971	977	986	975	968
31	960	976	964	963	961	963	967	969	971	968	967	968	983	983	972
Mean	985	985	989	987	987	990	991	997	1000	1004	1008	**1011**	1011	1007	1001
Mean†	**982**	983	987	988	987	988	989	993	999	1002	1002	1005	**1007**	1007	1004

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1	982	967	971	967	974	974	974	976	973	970	974	987	1001	1003	996
2	986	991	990	988	988	991	995	1002	1011	1013	1003	1007	1009	1004	999
3	987	988	991	992	991	992	995	997	1003	1008	1015	1018	1020	1011	1007
4	987	991	988	988	991	993	997	999	1002	1013	1018	1022	1027	1021	1017
5	1003	1002	1003	999	993	995	999	1002	1007	1013	1019	1025	1024	1027	1026
6	1005	1013	1012	987	987	965	964	967	977	988	981	980	982	987	985
7	974	973	979	976	974	975	976	982	984	994	996	1001	1002	991	989
8	972	977	993	986	981	982	985	988	994	1004	1016	1021	1025	1021	1011
9	990	984	987	989	989	989	990	989	995	1006	1023	1030	1027	1022	1015
10	987	991	992	992	991	992	994	996	1001	1008	1013	1017	1021	1021	1018
11	975	980	987	984	1000	992	989	993	1001	1004	1007	1012	1016	1015	1008
12	990	991	992	999	997	997	999	1002	1003	1011	1018	1027	1027	1029	1022
13	994	995	997	998	1000	998	1000	999	995	999	1001	1006	1011	1011	1008
14†	989	990	991	992	993	993	995	995	999	1007	1018	1023	1027	1021	1017
15†	1000	1000	999	1005	1005	1006	1005	1007	1009	1012	1014	1019	1017	1011	1005
16	999	999	1001	1000	1001	1003	1004	1007	1014	1024	1054	**1062**	1061	1046	1023
17	996	991	998	1001	1007	1007	1007	1008	1005	1004	1007	1006	1012	1017	1014
18†	1000	998	995	996	997	998	999	1001	1005	1009	1017	1020	1026	1027	1020
19	1003	1003	1004	1006	1006	1007	1007	1009	1015	1025	1033	1039	1037	1027	1021
20	1012	1007	990	997	999	1007	1009	1007	1006	1026	1029	1033	1033	1025	1022
21	986	987	983	985	988	990	990	991	998	1000	997	999	1003	999	999
22	993	985	983	990	991	996	999	999	988	997	1005	1003	1012	1012	1008
23	997	1003	999	999	998	1001	1001	1001	1001	1004	1009	1012	1011	1006	1003
24	1008	1007	1009	995	994	994	996	997	1005	1016	1018	1022	1024	1021	1014
25	994	992	991	993	993	997	999	1000	1004	1012	1018	1016	1023	1011	1002
26	998	994	992	992	998	994	1000	995	995	1001	1013	1019	1009	1010	1014
27	996	994	999	998	996	996	1001	1001	1000	1005	1008	1014	1016	1016	1011
28†	1001	1000	1003	1001	1001	1000	1001	1000	1001	1005	1014	1019	1021	1017	1010
29†	999	997	1001	1000	1000	999	998	999	1005	1012	1024	1031	1035	1030	1025
Mean	993	993	994	993	994	994	995	997	1000	1007	1013	1017	**1019**	1017	1011
Mean†	998	**997**	998	999	999	999	999	1001	1004	1009	1017	1022	**1025**	1021	1015

†Five international quiet days.

‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1002	998	992	986	985	987	991	991	993	995	10 40	1007	18 40	983	†1
1000	1002	1003	999	998	997	1001	998	1000	1002	12 10	1018	0 0	993	2
1016	1012	997	986	980	982	988	976	971	1001	6 46	1020	23 50	963	3
983	984	986	984	986	987	987	985	986	985	10 58	1002	1 36	961	4
988	987	988	990	989	988	991	989	989	990	9 8	1004	3 12	980	5
993	992	991	990	986	984	986	994	992	997	10 32	1015	19 32	982	6
999	991	991	992	990	988	988	984	988	1001	10 8	1034	21 44	982	7
991	981	989	995	998	995	993	993	997	999	11 34	1022	16 6	978	8
1003	993	981	982	983	984	988	987	992	996	11 6	1026	3 12	978	9
998	976	955	931	921	919	931	913	945	980	10 8	1024	21 52	910	10
989	986	984	981	986	981	973	970	967	984	11 30	1011	0 0	946	11
996	989	984	981	980	981	981	979	980	988	12 4	1011	0 28	966	†12
1001	996	993	993	989	988	987	987	988	993	11 44	1018	0 20	975	†13
1002	997	996	995	997	997	995	993	994	997	12 20	1010	0 24	986	†14
997	995	1001	1001	1000	999	999	996	985	997	9 48	1009	23 4	979	15
997	985	981	970	969	981	980	983	986	991	11 8	1013	18 26	958	16
998	996	994	992	993	995	996	997	997	995	11 54	1011	4 44	980	17
991	988	986	989	991	991	986	987	990	993	9 44	1009	1 4	980	18
1000	997	995	995	993	985	981	984	988	993	15 8	1006	21 2	980	19
1000	997	995	994	993	992	993	995	996	997	8 12	1005	0 0	986	†20
1015	1011	1012	1009	1004	1005	1002	1004	1006	1008	10 40	1031	0 56	992	21
1000	999	1004	1003	992	985	987	979	987	999	7 40	1013	23 30	956	22
979	962	955	959	974	983	983	968	995	992	10 48	**1049**	16 58	953	23
997	983	979	984	981	984	975	969	978	991	10 58	1020	22 20	966	24
1000	1000	991	987	991	990	983	991	993	995	12 12	1020	0 6	981	25
996	990	995	990	985	977	977	981	982	993	11 24	1021	20 12	970	26
1000	996	994	994	994	989	989	990	991	995	11 16	1017	0 4	979	27
1022	1015	1008	998	991	988	988	991	995	**1009**	11 24	1047	20 4	985	28
1033	1018	995	983	971	979	981	995	939	1002	11 18	1044	22 40	921	29
953	947	944	949	947	955	958	961	960	**957**	6 48	1010	1 4	**884**	30
971	972	971	972	971	974	975	973	971	971	12 4	986	0 6	957	31
997	991	988	986	984	984	984	**983**	985	993					Mean
1000	995	992	990	989	989	989	989	990	994					Mean†

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989	982	978	979	981	981	981	981	983	980	12 16	1006	1 4	961	1
995	991	990	990	988	986	988	986	990	995	8 4	1014	0 2	985	2
1010	1012	1013	1018	1004	1007	994	991	988	1002	11 56	1021	22 36	982	3
1012	1005	1001	999	997	997	997	993	998	1002	11 56	1027	0 4	986	4
1022	1017	1005	994	989	978	976	984	996	1004	13 28	1031	21 4	969	5
976	**962**	962	964	973	966	964	980	974	**979**	0 56	1014	3 4	**943**	6
983	981	981	978	976	983	984	980	974	983	11 40	1003	22 20	969	7
1001	995	993	989	985	983	980	979	982	994	11 30	1025	0 4	969	8
1009	1002	994	993	992	992	993	992	990	999	10 58	1031	0 20	983	9
1009	996	990	993	999	1004	994	988	991	1000	11 20	1022	23 56	969	10
1000	997	993	990	991	991	991	989	991	996	11 40	1018	0 2	970	11
1008	1002	997	994	991	988	988	991	993	1002	12 40	1030	20 40	986	12
1006	1001	1000	997	996	994	991	985	989	1001	12 34	1013	22 28	983	13
999	1003	1003	1001	1000	998	997	998	998	1002	11 36	1028	0 16	988	†14
1004	1000	1000	1002	1003	1003	1008	1000	999	1005	11 2	1021	14 28	997	†15
1008	1000	984	983	993	1001	1003	997	994	1011	11 40	**1065**	17 34	974	16
1002	989	990	996	990	987	985	986	986	1000	13 24	1019	21 16	981	17
1013	1006	1002	1003	1003	1003	999	1000	1001	1006	12 28	1028	2 46	993	†18
1014	1010	1011	1007	1008	1008	1010	1007	1010	**1014**	11 20	1039	0 4	1002	19
1019	1011	990	981	991	974	971	990	993	1005	11 12	1039	21 16	961	20
999	995	991	978	976	979	983	982	1001	991	0 14	1011	18 40	972	21
1004	1001	989	985	986	997	998	987	988	996	12 24	1014	0 40	981	22
990	988	981	975	985	990	990	996	988	997	10 14	1015	17 40	972	23
1002	1004	991	997	998	986	991	993	985	1003	12 16	1025	22 40	983	24
997	993	997	997	997	997	992	991	995	1000	11 48	1023	1 6	989	25
1000	1001	998	998	991	990	987	995	995	999	10 56	1019	20 40	982	26
1009	1005	1005	1000	996	993	994	991	997	1002	12 8	1018	22 2	990	27
1006	1000	997	997	997	998	997	997	1005	1004	11 24	1022	18 20	993	†28
1017	1011	1004	999	1000	1000	999	1000	999	1007	11 56	1036	0 16	996	†29
1003	999	994	992	992	991	991	**990**	992	999					Mean
1008	1004	1001	1000	1001	1000	1000	997	1001	1005					Mean†

*The daily mean value of horizontal force derived from 24 hourly values have been corrected for progressive change by 1/48 of the difference between the values of the initial and terminal hours [*i.e.* by $1/48\,(a_{24}-a_0)$].

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MARCH. 36000γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	1000	1001	1001	1001	1002	1003	1004	1007	1016	1028	1039	1042	1042	1033	1020
2	1004	1006	1008	1009	1006	1005	1005	1007	1013	1017	1024	1031	1032	1026	1017
3	1000	1005	1010	1007	1011	1012	1010	1012	1029	1029	1033	1033	1030	1026	1009
4	988	988	986	991	993	992	993	996	1001	1014	1025	1022	1022	1016	1005
5	993	993	1005	1006	1001	1001	999	996	1007	1015	1027	1034	1034	1032	1025
6	973	981	986	986	993	992	993	994	1001	1008	1015	1013	1019	1015	1011
7	967	982	977	984	988	993	997	1001	1008	1017	1029	1023	1021	1012	1003
8	996	991	1027	991	1006	1007	997	997	1007	1010	1017	1011	1016	1007	1008
9	1001	999	998	986	991	997	993	997	1007	1011	1034	1034	1040	1031	1016
10	993	1001	1000	997	998	1010	1006	1001	1012	1013	1021	1028	1032	1024	1019
11	1002	1001	1005	1004	1003	1004	1009	1013	1016	1028	1040	1042	1037	1023	1021
12	1003	1004	1003	1004	1008	1007	1005	1003	1002	1013	1025	1027	1025	1017	1010
13	1005	1001	1004	1004	1006	1005	1005	1007	1011	1014	1021	1026	1031	1027	1019
14†	1008	1008	1010	1011	1013	1009	1010	1009	1010	1019	1030	1037	1038	1033	1028
15†	1012	1014	1011	1012	1013	1012	1015	1015	1020	1031	1039	1046	1045	1042	1030
16	1015	1014	1015	1020	1018	1024	1028	1031	1037	1044	1062	1066	1066	1051	1038
17†	984	998	1000	1005	1006	1009	1007	1008	1015	1025	1031	1036	1035	1033	1025
18	1004	1007	1008	1010	1011	1013	1013	1014	1018	1026	1035	1039	1039	1037	1029
19	1017	1014	1016	1019	1018	1019	1020	1025	1034	1046	1045	1058	1055	1047	1033
20	1011	1015	1016	1012	1009	1011	1015	1015	1011	1028	1042	1039	1030	1020	999
21	1007	1007	1008	1013	1019	1013	1008	1004	1008	1024	1027	1037	1040	1027	1025
22	1007	1011	1013	1006	1010	1009	1015	1009	1014	1023	1038	1045	1047	1041	1035
23	1008	1010	1002	1018	1012	1011	1014	1016	1018	1027	1039	1049	1053	1049	1029
24	1010	1009	1006	1009	1011	1010	1009	1007	1011	1024	1033	1040	1039	1035	1026
25	1011	1011	1012	1012	1014	1014	1015	1021	1034	1049	1063	1073	1067	1055	1045
26	1009	1008	1010	1013	1013	1011	1014	1014	1019	1031	1037	1043	1048	1041	1033
27	1013	1010	1017	1017	1015	1018	1013	1011	1013	1026	1033	1039	1041	1039	1036
28†	1015	1014	1015	1017	1017	1016	1017	1015	1017	1023	1033	1037	1038	1036	1029
29	1011	1012	1013	1014	1013	1015	1013	1015	1019	1049	1047	1060	1056	1052	1040
30	1016	1021	1024	1025	1026	1026	1023	1031	1035	1039	1045	1051	1046	1025	1003
31	989	986	1021	1010	1002	996	1015	1011	1001	1010	1018	1024	1023	1015	1012
Mean	1002	1004	1006	1007	1008	1009	1009	1010	1015	1025	1034	1038	1038	1031	1022
Mean†	1004	1007	1007	1009	1010	1010	1011	1011	1016	1025	1035	1040	1039	1035	1026

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1	995	998	1003	1003	1002	1003	1004	1001	1005	1018	1032	1033	1028	1027	1023
2	1010	1009	1008	1010	1009	1010	1011	1016	1025	1035	1046	1046	1042	1041	1034
3	1016	1016	1017	1017	1019	1020	1021	1020	1029	1043	1055	1058	1057	1047	1037
4†	1010	1001	999	1005	1010	1013	1011	1011	1022	1036	1044	1042	1035	1038	1033
5†	1014	1014	1014	1012	1013	1014	1013	1009	1013	1027	1040	1042	1040	1032	1022
6	1014	1016	1015	1015	1015	1017	1017	1018	1023	1034	1045	1051	1051	1050	1067
7	1006	1019	1014	1017	1018	1018	1018	1019	1024	1033	1045	1054	1059	1059	1051
8	1001	999	994	994	996	1001	1003	1003	1010	1021	1035	1042	1041	1036	1033
9	1011	1012	1014	1015	1017	1016	1016	1018	1027	1038	1050	1056	1056	1049	1043
10	1013	1011	1013	1010	1010	1016	1019	1021	1024	1033	1042	1044	1042	1037	1029
11†	1018	1018	1018	1018	1018	1019	1018	1016	1018	1030	1038	1035	1032	1034	1033
12	1012	1015	1016	1019	1019	1022	1021	1017	1019	1033	1046	1049	1048	1043	1036
13†	1019	1018	1016	1015	1015	1027	1027	1025	1033	1047	1058	1061	1061	1058	1050
14	1026	1025	1025	1025	1025	1027	1026	1027	1036	1056	1069	1072	1070	1057	1047
15	1031	1032	1030	1031	1031	1033	1035	1031	1027	1026	1034	1037	1039	1041	1034
16	1020	1020	1021	1020	1020	1017	1026	1035	1046	1062	1069	1069	1064	1055	1046
17	1020	1021	1024	1023	1023	1025	1027	1028	1035	1051	1061	1060	1047	1043	1032
18	1019	1025	1030	1027	1027	1027	1027	1030	1035	1045	1056	1062	1062	1055	1045
19	1022	1020	1024	1025	1025	1027	1023	1033	1042	1056	1067	1070	1061	1060	1057
20	1015	1019	1018	1019	1019	1022	1021	1017	1018	1026	1035	1047	1055	1055	1049
21	1019	1018	1019	1016	1016	1016	1019	1026	1034	1047	1061	1070	1070	1066	1053
22	1026	1025	1027	1031	1031	1034	1036	1033	1032	1037	1053	1055	1054	1049	1040
23	1023	1023	1024	1026	1026	1024	1028	1035	1047	1065	1074	1068	1058	1050	1041
24	1016	1017	1018	1019	1019	1021	1019	1024	1032	1047	1057	1063	1067	1059	1046
25	1022	1023	1023	1030	1030	1034	1044	1028	1031	1029	1054	1064	1063	1067	1046
26	1015	1017	1017	1021	1021	1021	1021	1023	1024	1033	1043	1047	1025	1030	1008
27	979	980	982	995	987	990	993	994	1006	1019	1029	1031	1029	1026	1021
28	998	999	999	1000	1000	1005	1007	1000	999	1011	1018	1030	1034	1033	1026
29	1005	1010	1007	1007	1007	1012	1013	1013	1023	1030	1041	1044	1040	1036	1031
30†	1003	1006	1003	1013	1013	1007	1007	1006	1007	1018	1031	1036	1034	1030	1021
Mean	1013	1014	1014	1016	1016	1018	1019	1019	1025	1036	1048	1051	1049	1045	1038
Mean†	1013	1011	1010	1013	1014	1016	1015	1013	1019	1032	1042	1043	1041	1038	1032

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1016	1013	1012	1012	1010	1009	1008	1007	1006	1014	10 44	1043	0 4	998	†1
1006	999	998	995	993	994	980	995	1006	1007	11 44	1033	20 56	978	2
992	977	954	944	958	973	971	977	985	999	10 24	1043	18 4	942	3
996	991	991	995	995	991	991	988	988	998	10 6	1025	1 36	983	4
1007	989	984	978	969	962	958	959	966	997	11 8	1036	21 20	955	5
1008	1003	1004	1004	995	968	960	959	961	993	12 16	1024	21 36	956	6
995	988	987	987	988	993	997	999	988	997	10 24	1031	0 2	967	7
1011	1011	1005	1000	987	995	997	999	1000	1002	1 48	1027	3 16	985	8
999	991	994	1002	997	1006	997	992	992	1004	11 36	1041	3 20	982	9
1006	993	997	993	993	995	997	998	1001	1005	11 32	1034	0 4	989	10
1014	1009	1007	1007	1006	1004	1003	1002	1003	1013	11 8	1046	0 56	998	11
1008	1002	1001	1002	996	1003	999	1000	1001	1007	10 20	1028	19 4	994	12
1015	1012	1012	1009	1007	1007	1005	1005	1006	1011	11 48	1032	0 52	1000	13
1021	1017	1015	1014	1011	1010	1006	1007	1009	1016	11 44	1038	21 0	1005	†14
1020	1016	1013	1012	1013	1013	1015	1014	1014	1021	11 34	1050	0 6	1010	†15
1032	1024	1021	1021	1019	1014	1006	991	978	1026	11 4	1071	23 16	975	16
1017	1013	1012	1009	1007	1006	1000	999	1003	1012	11 12	1039	0 0	984	†17
1019	1017	1021	1021	1021	1019	1010	1012	1000	1019	11 58	1040	22 56	996	18
1025	1018	1016	1008	1009	1005	1009	1011	1012	1024	10 58	1060	20 8	1002	19
1007	1008	1005	1002	1006	1007	1006	1004	1005	1013	9 56	1044	17 4	996	20
1011	996	1006	1005	1011	1007	1005	1003	1003	1013	11 40	1041	15 28	993	21
1023	1012	1011	1011	1003	1002	1001	1007	1006	1017	11 56	1048	20 28	994	22
1021	1023	1009	998	1000	1003	998	1001	1000	1017	11 24	1056	18 6	993	23
1015	1010	1008	1013	1010	1011	1010	1009	1007	1016	11 12	1041	1 16	1004	24
1029	1013	1003	1013	1011	1006	1008	1007	1006	1025	11 8	1075	20 6	1002	25
1024	1017	1015	1012	1008	1003	1002	1005	1009	1018	12 8	1049	21 8	998	26
1029	1025	1021	1013	1007	1001	1002	1004	1007	1019	11 48	1042	20 12	997	27
1026	1020	1018	1012	1009	1010	1010	1011	1011	1019	12 12	1046	19 4	1006	†28
1023	1012	1015	1015	1015	1012	1009	1012	1006	1023	11 0	1061	22 40	1004	29
990	979	985	985	985	981	980	980	978	1011	10 42	1060	20 36	964	30
1002	989	993	1002	1007	1000	1006	1003	997	1006	11 8	1027	0 6	969	31
1013	1006	1004	1003	1001	1000	998	999	999	1012					Mean
1020	1016	1014	1012	1010	1010	1008	1007	1009	1016					Mean†

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1020	1019	1015	1014	1010	1010	1009	1006	1008	1012	10 30	1034	0 0	995	1
1025	1016	1012	1013	1015	1017	1016	1013	1014	1021	10 0	1049	2 0	1008	2
1030	1026	1022	1022	1022	1019	1014	1011	1005	1027	10 16	1061	23 20	1004	3
1030	1026	1021	1016	1013	1011	1008	1008	1009	1019	10 20	1045	1 44	998	†4
1019	1016	1015	1015	1014	1015	1015	1015	1014	1019	11 4	1043	6 56	1009	†5
1058	1046	1011	1019	1013	1015	1011	999	999	1026	13 8	1070	22 4	988	6
1061	1046	1031	1016	1008	1002	1009	1006	1001	1026	14 36	1064	22 4	991	7
1029	1020	1011	1010	1010	1011	1010	1011	1011	1014	10 40	1042	2 4	994	8
1034	1030	1028	1025	1025	1023	1022	1017	1014	1027	11 20	1059	0 4	1011	9
1026	1024	1023	1020	1018	1017	1017	1017	1017	1023	11 0	1045	2 38	1009	10
1031	1029	1027	1026	1019	1016	1015	1013	1015	1023	9 54	1041	21 26	1011	†11
1029	1025	1025	1023	1023	1021	1021	1019	1019	1026	11 4	1050	0 8	1011	12
1044	1038	1031	1029	1027	1026	1025	1024	1024	1033	11 12	1063	3 20	1014	†13
1039	1035	1030	1027	1027	1025	1025	1028	1031	1037	11 8	1073	0 36	1021	14
1029	1027	1022	1020	1018	1017	1017	1019	1019	1028	12 40	1042	21 16	1015	15
1038	1030	1025	1025	1018	1017	1018	1020	1017	1033	10 0	1069	22 44	1015	16
1027	1022	1025	1023	1017	1019	1019	1021	1022	1030	10 28	1061	19 4	1015	17
1037	1034	1031	1029	1024	1021	1022	1023	1022	1034	10 44	1063	0 12	1017	18
1055	1047	1035	1024	1019	1019	1017	1015	1018	1036	11 4	1070	21 52	1015	19
1040	1036	1032	1021	1018	1017	1016	1015	1014	1027	12 56	1056	22 34	1013	20
1041	1037	1031	1025	1024	1026	1028	1028	1027	1034	11 8	1072	4 0	1016	21
1034	1030	1025	1019	1017	1023	1018	1021	1024	1032	11 20	1057	19 22	1016	22
1032	1021	1023	1018	1015	1013	1009	1012	1011	1032	10 16	1075	20 56	1007	23
1035	1026	1024	1019	1021	1019	1020	1020	1022	1031	11 44	1067	0 8	1016	24
1032	1030	1021	1014	1013	1019	1016	1014	1016	1032	12 56	1076	18 18	1013	25
982	959	951	941	939	938	934	961	977	997	11 4	1052	18 8	932	26
1003	1000	1000	998	996	991	1035	987	993	1003	10 48	1032	0 0	977	27
1019	1058	1005	1004	1002	1003	1003	1007	1006	1011	12 38	1034	0 0	996	28
1021	1013	1009	1004	1002	1002	1005	1005	1004	1018	10 40	1046	19 18	1001	29
1019	1019	1020	1017	1016	1013	1013	1011	1013	1016	11 20	1038	0 0	1001	†30
1031	1028	1019	1016	1013	1013	1014	1012	1013	1024					Mean
1029	1026	1023	1021	1018	1016	1015	1014	1015	1022					Mean†

*See footnote on page 99.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1014	1012	1012	1013	1013	1018	1018	1015	1019	1031	1042	1046	1044	1041	1038
2	1019	1017	1016	1016	1018	1017	1016	1016	1023	1029	1035	1041	1041	1041	1037
3	1021	1020	1021	1020	1021	1020	1022	1024	1036	1046	1051	1056	1053	1042	1040
4	1024	1022	1023	1025	1024	1026	1026	1029	1041	1054	1057	1055	1051	1047	1042
5	1021	1025	1021	1023	1023	1026	1026	1030	1035	1048	1052	1058	1058	1052	1051
6†	1019	1019	1018	1023	1022	1021	1022	1022	1029	1037	1042	1045	1044	1043	1035
7†	1024	1025	1024	1027	1028	1028	1028	1027	1031	1046	1062	1071	1066	1060	1051
8†	1028	1025	1030	1031	1029	1028	1029	1032	1036	1053	1063	1071	1067	1064	1057
9	1025	1022	1033	1034	1041	1037	1038	1042	1050	1059	1081	1086	1090	1075	1059
10	1027	1028	1027	1028	1027	1027	1027	1029	1036	1057	1067	1068	1063	1055	1045
11	1031	1030	1032	1031	1028	1030	1026	1029	1035	1045	1059	1060	1054	1047	1037
12	1029	1022	1023	1026	1030	1031	1032	1033	1044	1056	1065	1068	1065	1061	1054
13	1024	1022	1021	1022	1015	1027	1022	1022	1017	1024	1045	1057	1053	1045	1043
14†	1020	1022	1022	1022	1022	1023	1025	1029	1037	1047	1059	1059	1055	1050	1044
15	1025	1023	1025	1028	1029	1028	1029	1030	1034	1042	1052	1054	1051	1049	1045
16	1033	1025	1025	1025	1026	1028	1030	1036	1045	1058	1064	1067	1071	1066	1058
17	1021	1023	1029	1025	1020	1027	1024	1025	1038	1047	1058	1074	1068	1061	1054
18†	1025	1027	1028	1025	1025	1030	1032	1036	1043	1050	1058	1067	1072	1070	1061
19	1033	1031	1033	1034	1033	1032	1033	1038	1043	1048	1055	1060	1058	1053	1048
20	1032	1032	1033	1033	1032	1026	1027	1030	1033	1040	1057	1066	1066	1063	1058
21	1026	1027	1028	1029	1031	1031	1031	1038	1045	1056	1069	1084	**1097**	1085	1045
22	1023	1021	1036	1032	1041	1023	1020	1039	1031	973	1011	989	972	946	919
23	929	929	950	968	972	971	997	983	977	987	988	991	974	982	974
24	987	986	979	985	983	988	984	975	987	995	1001	1007	1009	1009	1007
25	996	1002	995	995	997	1001	1004	1005	1009	1009	1022	1030	1028	1030	1029
26	1003	999	999	1000	1004	1002	1004	1007	1009	1015	1024	1028	1022	1026	1027
27	1004	1010	1010	1010	1008	1013	1015	1020	1031	1042	1050	1060	1068	1062	1050
28	1011	1012	1013	1010	1009	1006	1003	1002	1007	1001	1002	1000	986	984	972
29	986	992	987	994	993	996	1002	1007	1009	1012	1015	1023	1019	1015	1012
30	1015	1015	1022	1011	1011	1013	1014	1018	1024	1031	1029	1032	1023	1022	1017
31†	1002	1003	1007	1009	1016	1019	1022	1027	1034	1041	1038	1044	1044	1043	1037
Mean	1015	1015	1017	1018	1018	1019	1020	1022	1028	1035	1044	**1049**	1047	1042	1034
Mean†	**1018**	1019	1020	1021	1023	1024	1026	1028	1035	1045	1052	**1057**	1056	1053	1045

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1	1025	1028	1027	1028	1029	1032	1034	1035	1039	1046	1059	1065	1070	1066	1061
2	1027	1027	1026	1023	1024	1025	1027	1033	1040	1047	1055	1069	1064	1059	1059
3†	1032	1033	1033	1031	1031	1030	1031	1039	1048	1060	1069	1070	1063	1059	1051
4	1033	1034	1034	1033	1034	1035	1037	1043	1050	1055	1063	1069	1071	1067	1056
5	1024	2027	1025	1027	1027	1028	1032	1040	1046	1054	1058	1064	1065	1059	1060
6†	1027	1027	1028	1026	1028	1030	1031	1038	1049	1059	1071	1082	1080	1074	1061
7†	1035	1037	1037	1037	1037	1037	1037	1035	1036	1043	1050	1055	1053	1050	1045
8†	1036	1036	1037	1037	1037	1038	1039	1046	1055	1060	1066	1075	1074	1071	1060
9	1038	1038	1036	1035	1035	1038	1040	1045	1058	1069	1076	**1084**	1087	1072	1164
10	1038	1054	1044	1041	1056	1045	1052	1045	1044	1056	1081	1071	1073	1066	1013
11	906	909	927	937	949	957	959	965	968	962	968	969	970	967	969
12	997	1023	1029	1040	1001	988	1001	1011	1010	1014	1017	1021	1012	1016	1017
13	1010	1010	1009	1006	1014	1007	1003	1017	1026	1042	1057	1060	1051	1042	1033
14†	1006	1007	1009	1009	1009	1010	1014	1025	1036	1052	1062	1066	1066	1056	1047
15	1013	1013	1014	1014	1014	1014	1020	1029	1039	1047	1055	1061	1058	1056	1047
16	1030	1023	1025	1019	1018	1017	1023	1027	1029	1030	1028	1036	1037	1034	1034
17	1025	1026	1026	1027	1026	1026	1025	1026	1030	1035	1052	1067	1060	1060	1056
18	1017	1021	1020	1024	1022	1022	1022	1023	1034	1041	1055	1060	1065	1065	1064
19	1005	1005	1020	1019	1027	1041	1034	1032	1030	1037	1039	1040	1061	1060	1047
20	1011	1006	1024	994	1002	1014	1004	987	989	1003	1027	1026	1029	1029	1018
21	1006	1007	1006	1007	1006	1003	1006	1011	1022	1034	1042	1045	1053	1065	1061
22	1009	1012	1019	1028	1027	1026	1022	1015	1018	1019	1035	1038	1043	1043	1036
23	1013	1013	1016	1014	1017	1018	1017	1024	1038	1050	1054	1049	1042	1041	1036
24	1018	1021	1021	1018	1022	1019	1022	1030	1036	1039	1041	1047	1042	1049	1047
25	1019	1017	1019	1019	1019	1020	1021	1024	1032	1037	1043	1048	1051	1055	1052
26	1030	1028	1030	1027	1025	1025	1026	1033	1032	1043	1057	1061	1069	1069	1068
27	1034	1034	1035	1034	1033	1035	1034	1036	1039	1047	1055	1062	1061	1060	1054
28	1026	1029	1026	1028	1021	1021	1025	1035	1048	1056	1061	1061	1157	1059	1964
29	1029	1030	1030	1028	1028	1033	1031	1037	1047	1050	1053	1060	1063	1061	1051
30	1023	1029	1029	1034	1037	1037	1038	1039	1046	1059	1073	1081	1077	1075	1064
Mean	1018	1020	1022	1021	1022	1022	1024	1028	1034	1041	1051	1055	**1055**	1051	1046
Mean†	**1027**	1028	1029	1028	1028	1029	1030	1037	1045	1055	1064	**1069**	1067	1062	1053

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MAY. 36000γ PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1023	1016	1011	1013	1010	1009	1011	1012	1014	1021	10 32	1050	19 36	1007	1
1031	1030	1026	1022	1019	1019	1019	1017	1020	1024	11 4	1041	6 16	1014	2
1036	1032	1027	1027	1025	1024	1024	1023	1023	1031	10 56	1058	1 4	1017	3
1034	1028	1027	1023	1022	1021	1025	1024	1024	1032	9 36	1059	19 54	1020	4
1042	1034	1029	1020	1011	1009	1015	1015	1015	1031	11 32	1059	19 44	1009	5
1040	1035	1032	1029	1024	1023	1022	1022	1023	1025	10 52	1047	0 28	1017	†6
1043	1036	1034	1029	1027	1027	1022	1024	1028	1036	10 44	1072	21 8	1020	†7
1044	1037	1030	1029	1030	1029	1029	1027	1024	1038	11 4	1073	0 52	1023	8
1043	1038	1029	1028	1028	1023	1024	1029	1026	**1044**	11 38	1091	20 4	1021	9
1035	1031	1027	1028	1028	1028	1028	1031	1031	1037	11 12	1069	4 4	1026	10
1023	1016	1018	1025	1024	1023	1024	1025	1025	1032	10 36	1062	15 52	1014	11
1048	1041	1040	1040	1029	1026	1024	1017	1027	1039	10 52	1069	21 56	1015	12
1035	1030	1022	1019	1017	1017	1017	1018	1019	1027	11 8	1058	4 20	1012	13
1043	1037	1032	1027	1025	1024	1024	1023	1024	1033	11 18	1060	0 20	1019	†14
1043	1048	1046	1037	1028	1034	1031	1031	1032	1037	10 42	1056	0 54	1022	15
1051	1043	1034	1044	1042	1038	1039	1041	1027	1042	11 12	1071	0 44	1024	16
1046	1038	1034	1031	1029	1028	1026	1023	1024	1037	11 24	1074	3 40	1018	17
1051	1036	1030	1029	1029	1026	1027	1029	1033	1039	13 4	1072	3 4	1023	†18
1041	1037	1037	1035	1036	1035	1036	1028	1030	1039	11 8	1061	21 56	1027	19
1048	1043	1033	1025	1025	1025	1023	1023	1025	1037	11 36	1069	22 20	1021	20
1003	979	978	998	992	1000	992	1012	1033	1029	11 44	**1101**	16 8	976	21
905	**883**	893	895	901	903	906	907	916	**964**	3 48	1045	15 52	**882**	22
965	972	979	975	978	985	972	995	977	975	5 44	997	0 24	916	23
997	993	987	990	995	994	995	996	997	993	11 56	1011	6 48	975	24
1019	1007	1005	1004	1003	1003	1005	1005	1005	1009	11 4	1031	2 4	993	25
1020	1017	1011	1005	1005	1005	1004	1003	1004	1010	10 38	1029	1 56	998	26
1037	1023	1023	1018	1015	1011	1015	1012	1012	1026	11 40	1068	0 0	1003	27
973	968	962	953	955	959	962	978	982	987	2 6	1014	18 16	951	28
1014	1008	1007	1010	1015	1015	1014	1016	1015	1008	11 0	1024	0 12	985	29
1014	1013	1008	1009	1007	1007	1002	1002	1002	1015	11 8	1033	21 0	999	30
1029	1026	1018	1017	1018	1017	1021	1021	1026	1025	10 26	1049	9 20	959	†31
1025	1019	1015	1014	1013	1012	**1012**	1014	1015	1023					Mean
1041	1034	1029	1026	1025	1023	1023	1024	1027	1032					Mean†

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1048	1037	1029	1020	1022	1027	1028	1028	1027	1038	12 12	1072	18 8	1017	1
1049	1044	1034	1026	1024	1028	1027	1028	1031	1037	11 5	1071	3 16	1022	2
1040	1030	1028	1023	1029	1028	1028	1032	1032	1040	10 24	1070	17 54	1021	†3
1046	1040	1026	1018	1014	1013	1020	1022	1025	1039	10 26	1071	19 40	1013	4
1054	1043	1032	1030	1028	1028	1028	1026	1027	1039	11 36	1065	0 0	1024	5
1047	1037	1027	1029	1029	1032	1033	1034	1035	1043	10 56	1083	0 8	1026	†6
1040	1036	1034	1032	1033	1034	1036	1037	1038	1039	10 40	1055	17 20	1031	†7
1051	1043	1041	1039	1037	1037	1036	1036	1039	1047	10 40	1075	0 0	1035	†8
1051	1046	1035	1031	1033	1047	1047	1040	1048	**1049**	10 56	**1085**	18 4	1031	9
1009	986	961	932	904	878	869	866	**857**	997	11 54	1083	22 56	**854**	10
962	958	954	955	966	963	978	979	996	**980**	22 58	997	0 18	906	11
1013	1007	1006	1005	1004	1003	1005	1003	1009	1011	3 32	1076	4 52	987	12
1023	1013	1002	1005	1005	1002	1003	1003	1005	1019	10 20	1062	17 0	1002	13
1029	1019	1010	1009	1009	1009	1009	1011	1011	1025	10 44	1067	0 20	1005	†14
1036	1027	1017	1016	1020	1020	1020	1019	1033	1030	11 16	1061	0 56	1012	15
1023	1015	1002	997	1015	1022	1022	1023	1024	1023	11 28	1038	17 30	982	16
1044	1035	1027	1015	1009	1013	1013	1014	1021	1031	11 4	1067	18 54	1009	17
1020	1012	1026	1014	1022	1030	1024	1025	1049	1032	12 8	1080	15 54	1010	18
1033	1016	1016	1013	1021	1004	999	990	1005	1025	12 20	1064	22 12	986	19
1003	990	993	996	994	1000	1005	1000	1004	1006	10 12	1031	7 36	986	20
1054	1041	1034	1022	1013	1009	1005	1005	1004	1023	13 0	1065	22 0	1003	21
1022	1011	1009	1006	1012	1016	1014	1014	1013	1021	11 34	1045	17 56	1004	22
1021	1008	1020	1017	1017	1012	1016	1013	1015	1024	10 4	1055	16 8	1006	23
1033	1023	1016	1016	1019	1020	1019	1018	1017	1027	10 6	1053	18 8	1014	24
1046	1033	1029	1023	1028	1027	1027	1028	1029	1031	13 4	1056	0 44	1015	25
1065	1053	1047	1038	1036	1035	1038	1031	1032	1042	11 54	1069	5 8	1024	26
1046	1043	1038	1034	1030	1030	1028	1028	1027	1040	11 54	1064	22 56	1027	27
1053	1044	1031	1027	1028	1031	1027	1028	1029	1038	13 44	1065	4 10	1020	28
1040	1027	1027	1027	1029	1027	1024	1023	1022	1036	13 44	1065	3 38	1022	29
1042	1019	1016	1014	1011	1016	1022	1026	1027	1039	11 20	1085	19 0	1011	30
1035	1026	1019	**1014**	1015	1015	1015	1014	1018	1028					Mean
1041	1033	1028	1027	1027	1028	1029	1030	1031	1039					Mean†

*See footnote on page 99.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JULY. 36000γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1028	1033	1032	1031	1027	1035	1034	1003	1043	1051	1058	1064	1064	1057	1057
2	1023	1024	1025	1027	1028	1028	1031	1036	1042	1049	1067	1080	1076	1073	1061
3†	1027	1028	1028	1028	1027	1026	1026	1031	1034	1042	1053	1061	1061	1057	1049
4†	1026	1026	1027	1027	1029	1029	1030	1037	1046	1056	1060	1064	1060	1054	1045
5	1033	1033	1033	1035	1036	1037	1039	1045	1052	1061	1068	1071	1077	1071	1058
6	1040	1041	1041	1041	1040	1038	1042	1051	1061	1073	1083	1071	1067	1055	1043
7	1037	1034	1034	1034	1042	1045	1041	1050	1059	1071	1062	1063	1070	1069	1062
8	1037	1027	1027	1026	1027	1030	1034	1037	1042	1049	1057	1061	1054	1050	1045
9	1026	1025	1026	1025	1025	1026	1029	1040	1053	1063	1077	1107	1104	1106	1106
10	1026	1027	1036	1026	1028	1027	1029	1036	1046	1055	1060	1057	1067	1064	1065
11	1015	1019	1019	1021	1023	1026	1024	1029	1038	1062	1065	1064	1069	1067	1056
12	1027	1029	1030	1026	1028	1027	1030	1044	1057	1069	1079	1084	1077	1068	1058
13	1031	1035	1037	1038	1041	1040	1042	1046	1057	1063	1066	1071	1060	1068	1066
14	1032	1033	1032	1031	1031	1032	1034	1041	1046	1053	1054	1059	1062	1065	1060
15	1036	1036	1036	1039	1041	1044	1048	1047	1047	1055	1069	1079	1081	1072	1067
16	1025	1013	1014	1019	1019	1017	1020	1029	1036	1047	1048	1053	1054	1045	1040
17	1025	1029	1022	1022	1022	1030	1027	1032	1044	1051	1061	1072	1065	1065	1058
18	1024	1026	1024	1027	1021	1029	1033	1033	1037	1043	1057	1072	1071	1064	1060
19	1025	1026	1027	1025	1025	1025	1027	1028	1039	1045	1055	1067	1073	1067	1050
20	1029	1030	1030	1028	1029	1028	1033	1040	1048	1059	1069	1075	1081	1074	1068
21	1035	1023	1021	1032	1026	1036	1039	1042	1046	1052	1065	1071	1048	1027	1011
22	1016	1016	1019	1019	1018	1017	1025	1037	1048	1056	1062	1067	1067	1060	1051
23†	1024	1028	1027	1025	1025	1025	1026	1031	1041	1049	1061	1063	1061	1056	1048
24	1026	1027	1029	1030	1029	1031	1033	1040	1047	1055	1062	1063	1062	1061	1059
25	1037	1037	1039	1041	1041	1046	1045	1047	1054	1061	1073	1082	1066	1068	1067
26	1021	1036	1026	1027	1028	1033	1035	1034	1038	1039	1048	1052	1046	1047	1035
27	1031	1022	1026	1033	1033	1026	1031	1020	1031	1022	1024	1014	1021	1027	1023
28	1009	1013	1003	1029	1026	1018	1019	1019	1022	1031	1038	1038	1048	1038	1022
29	1019	1020	1021	1021	1022	1024	1027	1029	1034	1046	1057	1060	1059	1051	1042
30†	1028	1025	1027	1027	1028	1028	1029	1032	1039	1048	1059	1066	1067	1067	1062
31†	1030	1028	1029	1031	1032	1031	1032	1035	1043	1055	1069	1078	1080	1075	1064
Mean . .	1027	1027	1027	1029	1029	1030	1032	1037	1044	1053	1061	1066	1065	1061	1053
Mean† . .	1027	1027	1027	1027	1028	1028	1028	1033	1041	1050	1061	1066	1066	1062	1053

AUGUST.

1	1032	1034	1034	1034	1033	1034	1035	1037	1043	1053	1063	1074	1074	1077	1074
2	1019	1024	1026	1028	1027	1029	1030	1036	1045	1055	1066	1075	1076	1075	1066
3	1038	1039	1039	1037	1037	1043	1047	1052	1056	1060	1072	1083	1085	1084	1075
4	1040	1041	1038	1037	1036	1037	1038	1055	1056	1060	1073	1077	1078	1074	1062
5	1049	1046	1046	1045	1044	1037	1027	1032	1032	1034	1040	1049	1064	1074	1061
6	1038	1030	1033	1048	1049	1039	1046	1035	1045	1054	1059	1063	1072	1069	1055
7	1028	1027	1023	1029	1030	1031	1032	1033	1040	1041	1045	1054	1054	1058	1056
8	1034	1036	1037	1033	1034	1037	1033	1041	1043	1056	1071	1080	1079	1075	1071
9	1034	1033	1032	1031	1030	1033	1031	1034	1041	1051	1065	1071	1077	1075	1067
10	1030	1027	1030	1030	1032	1033	1038	1052	1061	1069	1077	1081	1079	1076	1066
11†	1034	1035	1036	1037	1037	1038	1040	1042	1048	1059	1067	1067	1061	1062	1054
12‡	1035	1038	1037	1037	1038	1037	1036	1038	1038	1042	1051	1063	1062	1058	1053
13	1041	1040	1040	1044	1043	1043	1041	1046	1050	1053	1065	1077	1077	1074	1067
14	1046	1044	1043	1043	1043	1043	1043	1044	1047	1057	1064	1069	1067	1065	1063
15	1046	1044	1044	1043	1044	1043	1044	1046	1056	1066	1071	1075	1080	1082	1077
16	1046	1045	1045	1044	1045	1046	1044	1044	1052	1067	1077	1088	1088	1086	1076
17	1040	1040	1038	1039	1045	1050	1051	1052	1053	1072	1081	1081	1085	1082	1076
18	1014	1022	1022	1029	1029	1042	1039	1035	1013	1033	1043	1050	1053	1055	1047
19	1024	1025	1027	1027	1028	1027	1028	1026	1035	1042	1048	1057	1064	1069	1058
20†	1026	1026	1026	1029	1031	1029	1031	1034	1040	1049	1059	1069	1075	1077	1067
21†	1032	1029	1028	1031	1032	1033	1033	1034	1035	1049	1063	1066	1065	1066	1063
22	1037	1037	1038	1038	1037	1039	1039	1040	1046	1055	1069	1078	1081	1086	1079
23	1043	1043	1040	1042	1042	1041	1041	1040	1040	1047	1055	1061	1068	1068	1062
24	1038	1043	1039	1035	1034	1034	1035	1029	1025	1028	1037	1049	1059	1058	1053
25†	1040	1039	1039	1040	1042	1041	1043	1038	1037	1056	1064	1066	1065	1061	1061
26	1043	1043	1043	1044	1045	1046	1045	1043	1041	1048	1056	1061	1067	1060	1053
27	1039	1039	1040	1040	1043	1043	1042	1043	1048	1058	1067	1069	1068	1067	1064
28	1037	1032	1035	1037	1039	1040	1041	1042	1044	1052	1061	1065	1069	1072	1069
29	1055	1054	1052	1053	1053	1049	1047	1042	1033	1039	1048	1055	1061	1064	1064
30	1030	1018	1017	1019	1026	1034	1032	1026	1026	1030	1042	1046	1061	1072	1074
31	1042	1039	1040	1043	1041	1039	1039	1034	1032	1035	1049	1053	1053	1048	1053
Mean . .	1037	1036	1036	1037	1038	1038	1038	1039	1042	1051	1060	1067	1070	1070	1064
Mean† . .	1033	1033	1033	1035	1036	1036	1037	1037	1040	1051	1061	1066	1066	1065	1059

†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Hours‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1055	1045	1034	1029	1028	1026	1026	1021	1023	1039	11 10	1066	21 44	1020	1
1047	1038	1028	1023	1025	1026	1022	1024	1024	1039	11 24	1081	20 56	1020	2
1037	1029	1024	1022	1023	1023	1026	1027	1026	1034	11 4	1063	18 6	1021	†3
1036	1027	1029	1030	1030	1030	1031	1031	1031	1037	11 4	1065	0 16	1024	†4
1049	1042	1039	1036	1036	1035	1037	1040	1042	1046	12 12	1078	0 4	1031	5
1033	1025	1027	1031	1033	1033	1036	1035	1036	1045	10 8	1086	16 8	1022	6
1050	1043	1044	1039	1044	1041	1039	1035	1032	1048	9 8	1074	23 10	1030	7
1037	1032	1023	1021	1022	1023	1023	1025	1026	1035	10 48	1062	18 4	1018	8
1085	1075	1047	1027	1026	1040	1030	1022	1023	**1051**	11 10	**1113**	21 48	1021	9
1045	1015	1015	1019	1019	1017	1021	1016	1016	1035	11 58	1068	15 58	1012	10
1045	1036	1026	1032	1028	1024	1025	1024	1029	1036	12 8	1070	0 36	1013	11
1047	1036	1035	1031	1029	1029	1030	1027	1031	1043	10 44	1085	0 8	1024	12
1050	1039	1036	1033	1030	1032	1031	1032	1033	1045	11 16	1076	18 48	1030	13
1050	1043	1041	1035	1033	1032	1034	1038	1040	1042	12 40	1067	4 4	1029	14
1055	1043	1035	1030	1033	1019	1020	1015	1019	1044	11 20	1082	21 40	1014	15
1043	1038	1040	1035	1026	1025	1023	1024	1025	1032	10 40	1057	1 30	1007	16
1045	1033	1023	1019	1019	1020	1022	1022	1024	1035	11 20	1073	2 20	1018	17
1051	1043	1031	1025	1024	1025	1026	1029	1029	1038	11 10	1072	18 12	1015	18
1037	1015	1014	1020	1019	1022	1021	1028	1028	1034	11 36	1074	16 12	1008	19
1055	1043	1033	1028	1027	1029	1030	1044	1047	1044	11 54	1082	18 18	1024	20
998	1008	1011	1009	1010	1015	1020	1019	1017	1028	10 44	1072	15 4	995	21
1042	1038	1029	1021	1022	1027	1028	1026	1026	1035	11 14	1068	0 40	1015	22
1041	1036	1035	1031	1028	1029	1029	1030	1028	1037	10 28	1064	0 28	1023	†23
1053	1044	1038	1032	1031	1030	1033	1035	1037	1041	11 6	1063	0 4	1023	24
1057	1038	1027	1026	1032	1030	1027	1026	1023	1045	10 50	1083	22 36	1017	25
1021	1010	1000	990	**983**	987	997	1000	1015	1023	13 20	1055	19 24	**977**	26
1022	1021	1035	1020	1023	1008	1006	1004	1011	**1022**	16 48	1039	21 38	999	27
1024	1021	1017	1013	1014	1013	1016	1016	1019	1022	12 4	1049	1 44	996	28
1035	1029	1029	1026	1024	1023	1020	1023	1026	1032	11 0	1062	20 40	1018	29
1053	1044	1033	1024	1024	1028	1027	1028	1029	1038	11 20	1068	0 36	1023	†30
1053	1041	1034	1034	1035	1032	1032	1032	1032	1043	12 8	1081	1 32	1027	†31
1044	1035	1029	**1025**	1025	1025	1025	1026	1027	1038					Mean
1044	1036	1031	1028	1028	1028	1029	1029	1029	1038					Mean†

AUGUST.

1054	1037	1019	1010	1008	1008	1009	1010	1014	1037	13 4	1083	19 40	1004	1
1055	1051	1050	1043	1041	1038	1037	1035	1040	1045	11 8	1078	0 24	1018	2
1064	1055	1042	1042	1040	1039	1038	1040	1039	1052	11 54	1087	1 8	1036	3
1060	1047	1043	1040	1046	1049	1050	1044	1047	1051	11 24	1079	3 54	1035	4
1052	1063	1051	1046	1050	1050	1041	1040	1038	1046	12 16	1082	5 48	1025	5
1046	1033	1027	1021	1018	1026	1022	1026	1027	1041	12 40	1073	19 12	1016	6
1046	1040	1036	1030	1028	1023	1025	1027	1032	1036	12 54	1059	21 12	1021	7
1055	1043	1035	1031	1029	1029	1029	1030	1033	1045	11 8	1081	20 24	1027	8
1054	1042	1032	1029	1029	1028	1027	1028	1029	1042	12 20	1078	21 12	1025	9
1056	1046	1041	1035	1040	1039	1036	1033	1033	1048	10 24	1082	0 44	1026	10
1042	1034	1032	1034	1034	1033	1033	1034	1034	1043	10 24	1069	17 20	1031	†11
1044	1036	1038	1040	1038	1038	1040	1039	1041	1042	11 12	1063	0 0	1033	†12
1060	1053	1045	1044	1043	1039	1041	1043	1045	1051	11 4	1079	1 40	1038	13
1054	1047	1047	1048	1047	1047	1048	1047	1047	1051	11 4	1070	1 40	1043	14
1066	1058	1050	1046	1044	1043	1044	1044	1046	1054	12 46	1084	4 32	1040	15
1060	1055	1049	**1088**	1043	1042	1041	1042	1042	**1056**	10 44	**1089**	5 40	1041	16
1066	1065	1065	1056	1054	1044	1045	1036	1028	1055	12 8	1086	23 40	1009	17
1032	1024	1010	1016	1023	1022	1021	1025	1024	**1030**	11 12	1057	0 20	1009	18
1043	1033	1028	1028	1025	1023	1022	1023	1024	1035	12 44	1069	0 40	1019	19
1057	1048	1038	1035	1035	1035	1034	1031	1031	1042	12 12	1078	0 32	1024	†20
1058	1048	1039	1036	1035	1033	1032	1032	1033	1042	12 56	1068	2 16	1025	†21
1070	1060	1049	1049	1048	1045	1044	1044	1044	1052	12 56	1087	0 0	1036	22
1060	1051	1046	1043	1043	1040	1039	1039	1038	1047	11 40	1070	7 20	1037	23
1049	1045	1043	1040	1043	1040	1041	1041	1040	1041	12 4	1060	8 10	1020	24
1053	1050	1049	1048	1047	1046	1045	1044	1044	1048	10 24	1066	7 26	1034	†25
1050	1049	1051	1052	1047	1048	1046	1043	1042	1048	12 8	1070	7 28	1040	26
1058	1055	1053	1053	1047	1045	1045	1043	1039	1050	10 28	1071	0 58	1037	27
1067	1067	1063	1059	1053	1052	1051	1053	1054	1053	12 24	1073	1 18	1030	28
1059	1052	1033	1023	1016	1010	1003	999	999	1039	13 6	1067	22 40	**997**	29
1070	1059	1051	1044	1039	1039	1038	1039	1045	1041	13 56	1081	1 24	1013	30
1045	1035	1038	1040	1044	1040	1041	1042	1043	1042	13 40	1054	7 40	1027	31
1055	1047	1042	1040	1038	1037	1036	**1035**	1036	1045					Mean
1051	1043	1039	1039	1038	1037	1037	1036	1037	1047					Mean†

*See footnote on page 99.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

SEPTEMBER. 36000 γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1043	1041	1047	1043	1045	1049	1051	1055	1061	1077	1072	1064	1039	1055	1037
2†	1021	1015	1027	1026	1023	1025	1025	1021	1027	1035	1040	1040	1048	1052	1051
3	1036	1036	1035	1038	1042	1043	1043	1044	1049	1068	1070	1059	1052	1046	1036
4	1027	1030	1032	1029	1032	1031	1028	1028	1033	1042	1048	1071	1071	1071	1066
5	1049	1053	1038	1047	1047	1047	1045	1046	1049	1055	1063	1063	1065	1069	1066
6	1024	1021	1027	1028	1035	1038	1033	1029	1028	1028	1032	1033	1031	1029	1019
7	1013	1016	1017	1021	1023	1026	1031	1033	1039	1056	1023	1071	1078	1074	1065
8	992	990	987	1001	1007	1007	1011	1011	992	1011	1018	1016	998	991	999
9	1001	1004	1017	1014	1013	1021	1021	1013	1039	1027	1046	1048	1057	1053	1043
10	1013	1016	1016	1017	1023	1022	1020	1014	1012	1020	1021	1032	1041	1040	1034
11†	1014	1017	1026	1021	1021	1021	1028	1013	1008	1010	1020	1027	1032	1027	1033
12	1027	1028	1019	1030	1030	1027	1026	1028	1034	1050	1061	1061	1059	1051	1043
13	1025	1021	1025	1028	1025	1025	1012	1005	1007	1027	1041	1044	1048	1036	1034
14	1030	1031	1035	1030	1034	1032	1033	1032	1030	1039	1052	1058	1055	1055	1053
15	1030	1034	1029	1036	1031	1033	1031	1021	1022	1033	1034	1040	1045	1040	1035
16†	1027	1027	1034	1031	1030	1031	1031	1025	1027	1042	1056	1064	1066	1064	1056
17†	1035	1033	1037	1035	1033	1033	1017	1018	1012	1021	1031	1042	1047	1051	1052
18	1037	1037	1041	1038	1038	1041	1041	1033	1036	1052	1060	1070	1075	1071	1067
19	1045	1045	1036	1039	1038	1039	1033	1034	1033	1039	1058	1071	1079	1083	1073
20†	1031	1033	1032	1038	1035	1037	1036	1034	1043	1048	1059	1066	1072	1068	1062
21	1033	1031	1047	1031	1035	1040	1037	1037	1028	1046	1052	1057	1064	1069	1061
22	1044	1047	1043	1049	1051	1051	1051	1047	1042	1045	1056	1059	1067	1073	1066
23	1043	1041	1045	1047	1043	1044	1045	1042	1041	1051	1064	1066	1064	1059	1044
24	1044	1052	1016	1049	1046	1027	1042	1028	1048	1007	1026	1037	1041	1034	1029
25	1012	1015	1016	1017	1016	1014	1025	1022	1023	1034	1041	1044	1050	1050	1039
26	1023	1022	1022	1025	1021	1024	1026	1016	1016	1017	1039	1042	1042	1040	1040
27	1021	1023	1024	1026	1026	1027	1034	1029	1024	1037	1045	1063	1052	1055	1055
28	1024	1007	1026	1024	1021	1020	1025	1019	1019	1021	1034	1047	1056	1059	1055
29	1025	1027	1027	1034	1033	1031	1032	1029	1030	1038	1043	1050	1055	1054	1049
30	1030	1030	1031	1031	1031	1032	1031	1027	1028	1041	1056	1068	1071	1069	1062
Mean	1027	1027	1029	1031	1031	1032	1031	1027	1029	1037	1045	1053	1054	1053	1047
Mean†	1026	1024	1031	1030	1028	1029	1025	1022	1023	1031	1041	1048	1053	1053	1051

OCTOBER.

1	1033	1038	1037	1035	1038	1040	1034	1031	1033	1047	1063	1075	1077	1074	1067
2	1033	1031	1037	1037	1036	1037	1038	1039	1041	1055	1067	1086	1094	1088	1079
3	1039	1037	1036	1038	1039	1040	1040	1034	1036	1043	1051	1057	1063	1060	1055
4	1044	1047	1047	1047	1044	1040	1042	1045	1052	1067	1070	1081	1075	1069	1063
5	1036	1039	1035	1036	1030	1035	1032	1028	1038	1055	1073	1074	1075	1067	1055
6	1030	1037	1036	1035	1037	1039	1040	1039	1042	1055	1063	1069	1067	1056	1050
7	1041	1041	1041	1041	1042	1042	1042	1039	1038	1047	1059	1062	1060	1061	1045
8	1039	1049	1047	1049	1050	1053	1042	1038	1043	1053	1077	1074	1061	1062	1057
9	1036	1039	1033	1034	1036	1038	1041	1046	1058	1076	1084	1088	1084	1075	1063
10	1043	1038	1041	1040	1041	1041	1043	1049	1064	1080	1096	1103	1102	1092	1077
11†	1043	1042	1040	1039	1038	1040	1040	1038	1044	1055	1066	1073	1076	1069	1062
12†	1039	1039	1038	1041	1040	1042	1042	1041	1050	1064	1078	1090	1089	1083	1071
13	1046	1047	1047	1047	1047	1047	1045	1043	1040	1045	1055	1069	1077	1076	1073
14†	1047	1047	1047	1046	1045	1047	1046	1046	1054	1065	1077	1091	1095	1089	1078
15	1049	1049	1049	1051	1050	1052	1053	1060	1071	1087	1100	1106	1109	1101	1089
16	1066	1063	1064	1071	1067	1064	1063	1073	1089	1106	1124	1129	1139	1131	1091
17	1055	1055	1055	1052	1055	1053	1051	1047	1054	1063	1069	1067	1084	1082	1071
18	1046	1049	1049	1044	1045	1048	1048	1049	1050	1065	1066	1069	1069	1060	1046
19	1027	1027	1031	1033	1033	1035	1035	1038	1045	1055	1059	1066	1061	1053	1046
20	1037	1039	1039	1039	1040	1042	1044	1053	1065	1078	1088	1095	1095	1088	1079
21	1047	1051	1050	1052	1049	1047	1048	1053	1062	1076	1085	1090	1088	1076	1056
22	1030	1032	1035	1039	1041	1043	1043	1046	1055	1063	1067	1068	1070	1065	1050
23	1039	1041	1042	1044	1054	1050	1055	1056	1049	1056	1072	1076	1085	1039	1042
24	1026	1015	1017	1053	1045	1030	1039	1031	1018	1004	1007	999	978	965	940
25	1020	1016	1021	1016	1025	1019	1021	1028	1013	1019	1020	1034	1032	1023	1007
26	1019	1019	1021	1022	1021	1022	1026	1035	1043	1052	1063	1064	1067	1061	1049
27	1032	1034	1034	1033	1035	1043	1045	1048	1058	1071	1080	1087	1084	1073	1063
28	1026	1028	1046	1037	1032	1042	1035	1036	1047	1055	1062	1068	1067	1060	1050
29†	1030	1039	1040	1040	1042	1041	1041	1044	1050	1062	1074	1080	1077	1068	1058
30†	1040	1039	1042	1044	1043	1044	1047	1055	1073	1093	1105	1106	1101	1087	1077
31	1043	1044	1052	1052	1046	1051	1050	1053	1063	1071	1090	1095	1088	1073	1062
Mean	1038	1039	1040	1041	1041	1042	1042	1044	1050	1061	1071	1077	1077	1069	1057
Mean†	1041	1041	1041	1042	1041	1043	1043	1045	1054	1068	1080	1088	1088	1079	1069

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

SEPTEMBER. 36000γ PLUS TABULAR QUANTITIES.

Hours‡									*Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1009	1025	1027	1022	1017	1027	1018	1023	1032	1040	8 48	1079	14 44	1008	1
1048	1043	1035	1031	1029	1028	1029	1030	1033	1033	12 56	1053	0 28	1098	†2
1030	1031	1028	1026	1027	1026	1024	1023	1024	1039	8 58	1072	22 28	1022	3
1064	1063	1063	1050	1038	1043	1048	1051	1051	1047	12 30	1076	0 0	1025	4
1057	1047	1042	1041	1037	1032	1024	1020	1020	1016	12 28	1072	22 8	1015	5
1011	1004	999	999	1002	1002	1005	1004	1004	1019	5 4	1042	16 58	996	6
1071	1081	1077	1047	1043	1043	1039	1044	1007	1043	16 26	**1086**	23 58	987	7
988	1002	1006	1004	1009	1003	998	1002	1001	**1002**	10 36	1023	1 30	**980**	8
1027	1020	1016	1014	1006	1012	1014	1016	1015	1023	12 36	1057	0 8	999	9
1031	1018	1014	1006	1004	1011	1003	1011	1015	1019	11 54	1042	20 36	1002	10
1034	1033	1033	1029	1028	1028	1027	1028	1027	1024	14 40	1035	7 44	1007	†11
1039	1036	1041	1038	1035	1031	1030	1031	1029	1036	10 54	1062	23 59	1023	12
1039	1037	1037	1042	1036	1030	1030	1029	1029	1030	11 56	1049	7 16	1003	13
1049	1043	1039	1036	1032	1031	1029	1029	1030	1038	10 52	1059	2 18	1021	14
1031	1029	1026	1020	1019	1022	1021	1024	1028	1030	12 4	1047	17 58	1016	15
1048	1038	1036	1038	1038	1035	1032	1033	1035	1039	12 8	1068	2 28	1023	†16
1049	1046	1045	1042	1039	1036	1035	1036	1036	1036	14 0	1054	7 40	1010	†17
1064	1066	1064	1051	1046	1047	1046	1044	1046	**1051**	12 16	1077	7 0	1032	18
1059	1046	1032	1029	1031	1034	1029	1029	1030	1044	13 4	1084	20 22	1026	19
1053	1049	1044	1043	1039	1037	1033	1034	1032	1044	11 48	1073	0 20	1027	†20
1057	1053	1048	1047	1046	1044	1041	1041	1041	1046	13 8	1069	1 28	1030	21
1058	1051	1049	1048	1048	1046	1045	1048	1045	1051	12 46	1074	8 12	1040	22
1034	1023	1020	1015	1026	1027	1019	1019	1030	1039	11 18	1067	17 36	1012	23
1023	1020	1018	1016	1015	1013	1013	1011	1012	1027	1 8	1059	8 12	997	24
1027	1014	1008	1009	1007	1014	1017	1018	1021	1023	12 16	1052	17 20	1007	25
1031	1026	1026	1021	1017	1008	1010	1014	1017	1024	11 20	1042	20 16	1005	26
1048	1035	1037	1039	1032	1025	1031	1029	1019	1035	11 12	1064	23 8	1012	27
1048	1040	1034	1029	1015	1011	1027	1021	1023	1029	13 2	1061	0 56	1007	28
1047	1048	1047	1037	1022	1016	1019	1024	1031	1035	11 40	1055	19 46	1014	29
1054	1046	1040	1038	1035	1032	1031	1028	1034	1041	11 24	1072	7 8	1025	30
1041	1037	1034	1030	1027	1027	**1026**	1027	1027	1035					Mean
1047	1042	1038	1037	1035	1033	1031	1032	1033	1035					Mean†

OCTOBER.

1056	1049	1047	1043	1040	1037	1034	1034	1036	1046	11 40	1078	7 12	1031	1
1065	1053	1045	1041	1037	1037	1037	1036	1038	1050	11 56	1095	0 40	1029	2
1053	1050	1047	1043	1043	1043	1041	1042	1043	1045	12 8	1063	6 48	1033	3
1049	1035	1027	1017	1012	1020	1019	1025	1033	1044	10 52	1082	18 40	1012	4
1045	1039	1033	1026	1024	1027	1025	1024	1028	1041	11 52	1075	18 36	1023	5
1041	1038	1038	1038	1039	1037	1037	1042	1040	1044	11 6	1070	0 0	1030	6
1023	1031	1033	1039	1042	1033	1020	1030	1041	1041	13 2	1068	14 44	1018	7
1051	1046	1045	1042	1041	1038	1034	1031	1034	1048	10 8	1087	22 12	1030	8
1052	1045	1038	1038	1037	1035	1035	1035	1038	1049	11 10	1089	20 0	1033	9
1063	1056	1049	1051	1046	1044	1042	1038	1041	1057	11 20	1104	1 0	1037	10
1055	1050	1045	1043	1038	1036	1035	1037	1039	1048	11 24	1078	20 48	1035	†11
1063	1057	1054	1049	1044	1041	1043	1045	1045	1054	11 0	1090	1 40	1036	†12
1066	1056	1048	1047	1046	1045	1045	1044	1044	1052	11 40	1091	8 4	1038	13
1064	1057	1053	1053	1052	1050	1048	1048	1049	1058	12 8	1096	3 40	1044	†14
1079	1081	1069	1068	1067	1065	1067	1063	1067	1071	11 32	1110	1 16	1048	15
1077	1067	1066	1062	1062	1058	1055	1057	1056	**1079**	11 28	**1142**	21 24	1053	16
1060	1056	1051	1048	1048	1046	1045	1048	1047	1057	12 4	1085	21 0	1044	17
1037	1033	1003	985	982	1008	1013	1021	1024	1037	11 38	1069	18 48	981	18
1040	1039	1042	1040	1037	1037	1037	1037	1038	1041	10 56	1067	0 6	1026	19
1069	1061	1054	1049	1044	1043	1043	1043	1045	1057	11 20	1097	0 4	1037	20
1051	1044	1054	1056	1047	1038	1028	1027	1029	1054	10 20	1095	21 4	1023	21
1040	1035	1040	1033	1034	1033	1034	1035	1037	1045	11 38	1072	0 0	1029	22
1035	1033	1035	1037	1038	1033	1033	1044	1036	1047	11 44	1115	20 24	1029	23
930	987	1004	1006	1010	1017	1010	1010	1013	**1007**	2 36	1058	14 44	**926**	24
1003	999	998	996	998	1006	1010	1016	1018	1015	10 30	1041	17 56	994	25
1038	1033	1028	1028	1024	1023	1023	1026	1029	1035	11 20	1069	0 0	1018	26
1057	1051	1049	1049	1039	1039	1032	1025	1024	1049	11 8	1089	23 16	1016	27
1045	1040	1038	1039	1035	1036	1038	1040	1040	1044	11 0	1068	0 6	1025	28
1049	1044	1038	1037	1036	1041	1039	1039	1040	1048	11 12	1081	18 40	1034	†29
1066	1056	1047	1044	1042	1036	1036	1041	1043	1059	10 40	1108	20 40	1035	†30
1055	1050	1051	1047	1046	1051	1049	1049	1054	1058	11 4	1097	0 0	1043	31
1048	1044	1041	1038	1037	1037	**1035**	1037	1038	1048					Mean
1059	1053	1048	1045	1043	1041	**1040**	1042	1043	1053					Mean†

*See footnote on page 99.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

NOVEMBER. 36000γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡ 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1053	1061	1062	1058	1057	1058	1032	1043	1059	1073	1084	1084	1076	1068	1062
2	1049	1046	1044	1038	1033	1034	1032	1034	1043	1058	1068	1067	1063	1058	1052
3	1023	1027	1028	1031	1032	1036	1036	1036	1037	1047	1061	1070	1071	1061	1052
4	1033	1028	1030	1030	1034	1035	1037	1036	1042	1049	1056	1060	1055	1047	1043
5†	1040	1039	1037	1036	1036	1037	1039	1041	1047	1053	1065	1073	1075	1069	1061
6	1044	1045	1044	1045	1047	1048	1048	1054	1065	1083	1089	1096	1094	1087	1082
7	1052	1051	1043	1050	1038	1034	1036	1037	1043	1049	1050	1053	1050	1040	1032
8†	1037	1038	1038	1038	1039	1041	1040	1047	1058	1069	1079	1083	1078	1067	1058
9	1044	1044	1044	1044	1044	1045	1047	1051	1061	1070	1080	1084	1078	1085	1073
10	1049	1043	1035	1044	1042	1042	1047	1059	1072	1082	1088	1091	1085	1071	1060
11	1044	1032	1030	1034	1035	1033	1040	1047	1052	1059	1064	1072	1070	1063	1056
12	1027	1029	1035	1035	1038	1039	1042	1048	1059	1066	1069	1074	1072	1066	1059
13	1046	1045	1044	1047	1049	1052	1044	1051	1058	1060	1067	1077	1062	1054	1049
14	1039	1045	1048	1042	1033	1035	1031	1035	1047	1057	1062	1070	1069	1065	1059
15	1042	1041	1040	1039	1037	1042	1040	1046	1052	1058	1066	1073	1069	1064	1057
16	1037	1041	1044	1038	1040	1041	1039	1042	1051	1059	1068	1078	1078	1071	1057
17†	1042	1040	1040	1039	1039	1041	1042	1049	1057	1065	1079	1083	1072	1061	1059
18†	1041	1041	1043	1045	1045	1046	1048	1055	1069	1079	1083	1089	1083	1075	1067
19	1051	1051	1051	1050	1051	1050	1053	1058	1062	1069	1074	1082	1084	1076	1071
20	1013	1019	1025	1035	1031	1038	1030	1039	1049	1054	1065	1075	1071	1059	1050
21	1038	1039	1041	1042	1045	1047	1051	1056	1061	1064	1078	1082	1073	1063	1054
22	1031	1049	1043	1043	1041	1041	1042	1048	1054	1059	1062	1071	1074	1069	1063
23	1039	1039	1041	1042	1043	1044	1044	1051	1059	1065	1072	1079	1080	1069	1069
24	1045	1047	1049	1048	1051	1051	1051	1060	1070	1079	1084	1090	1082	1071	1059
25	940	936	952	977	979	997	996	1004	1015	1022	1033	1037	1036	1031	1026
26	1016	1015	1017	1018	1018	1024	1032	1043	1050	1054	1065	1068	1059	1056	1048
27	1041	1048	1036	1041	1045	1046	1052	1062	1068	1075	1082	1087	1084	1077	1061
28	1038	1041	1040	1039	1043	1052	1044	1067	1077	1089	1105	**1112**	1105	1096	1081
29	1046	1047	1053	1053	1058	1057	1053	1049	1058	1074	1071	1067	1060	1047	1032
30†	1038	1035	1036	1035	1035	1035	1037	1048	1052	1057	1062	1063	1061	1057	1053
Mean	1036	1037	1037	1039	1039	1041	1040	1047	1055	1063	1071	**1076**	1072	1065	1057
Mean†	**1039**	1039	1039	1039	1039	1040	1041	1048	1057	1065	1073	**1078**	1073	1066	1059

DECEMBER.

1	1041	1040	1039	1039	1040	1041	1042	1049	1054	1062	1070	1073	1067	1060	1064
2	1039	1037	1041	1044	1042	1041	1043	1048	1052	1057	1065	1069	1071	1063	1057
3	1032	1036	1039	1037	1039	1040	1040	1042	1049	1054	1060	1062	1060	1059	1049
4	1045	1049	1049	1054	1049	1049	1046	1048	1054	1062	1069	1079	1079	1077	1067
5†	1052	1052	1053	1053	1056	1057	1055	1057	1064	1070	1079	1080	1067	1065	1057
6†	1047	1047	1047	1048	1048	1049	1050	1055	1062	1070	1077	1080	1077	1073	1069
7	1057	1057	1055	1057	1058	1059	1061	1066	1074	1079	1081	1084	1079	1072	1070
8	1030	1037	1044	1049	1050	1053	1053	1054	1058	1057	1064	1077	1078	1066	1057
9	1032	1038	1041	1042	1040	1040	1045	1054	1063	1068	1070	1075	1077	1072	1070
10	1047	1045	1045	1047	1047	1050	1055	1064	1068	1074	1081	1083	1081	1072	1060
11	1050	1051	1051	1049	1050	1054	1056	1056	1059	1067	1077	1082	1078	1070	1062
12	1053	1052	1053	1054	1071	1064	1062	1053	1055	1054	1054	1055	1050	1049	1045
13	1045	1041	1037	1049	1053	1052	1055	1045	1048	1067	1069	1069	1062	1061	1057
14	1045	1045	1045	1045	1043	1044	1049	1049	1048	1045	1049	1050	1053	1055	1056
15	1046	1048	1046	1046	1046	1048	1051	1053	1054	1059	1077	1090	1092	1087	1075
16†	1036	1036	1031	1037	1038	1038	1041	1040	1037	1038	1044	1052	1053	1049	1047
17	1045	1045	1047	1048	1049	1049	1049	1048	1051	1057	1062	1070	1073	1073	1064
18	1050	1053	1057	1050	1061	1048	1054	1057	1063	1063	1058	1070	1069	1060	1059
19	1053	1054	1051	1049	1048	1051	1049	1054	1059	1059	1064	1072	1069	1066	1059
20	1046	1042	1047	1051	1052	1050	1051	1058	1069	1079	1091	1093	1089	1084	1063
21	1063	1055	1051	1043	1046	1041	1032	1041	1044	1047	1049	1049	1042	1032	1035
22	1036	1038	1038	1039	1042	1039	1041	1046	1045	1044	1046	1055	1053	1053	1051
23	1050	1050	1047	1046	1050	1051	1047	1051	1051	1059	1066	1067	1064	1057	1046
24	1039	1042	1041	1036	1035	1037	1040	1044	1045	1049	1053	1055	1048	1044	1039
25	1043	1042	1045	1041	1042	1042	1043	1045	1049	1053	1053	1057	1057	1048	1044
26	1049	1049	1050	1051	1052	1053	1052	1056	1059	1064	1068	1071	1070	1067	1054
27	1050	1050	1048	1047	1048	1049	1051	1057	1065	1067	1083	1091	1086	1080	1071
28	1049	1050	1051	1052	1051	1053	1052	1055	1057	1063	1065	1066	1061	1065	1060
29†	1051	1054	1053	1054	1054	1053	1053	1053	1060	1069	1082	1091	1089	1076	1063
30†	1049	1049	1050	1050	1050	1051	1052	1059	1071	1081	1090	1092	1086	1079	1066
31	1049	1050	1050	1051	1052	1054	1058	1061	1067	1085	1095	1099	**1100**	1093	1085
Mean	1046	**1045**	1047	1047	1048	1048	1049	1052	1057	1062	1068	**1073**	1070	1065	1059
Mean†	**1047**	1048	1047	1048	1049	1050	1050	1053	1059	1066	1074	**1079**	1074	1068	1061

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

NOVEMBER. 36000γ PLUS TABULAR QUANTITIES.

Hours.‡									*Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
1062	1050	1047	1049	1048	1048	1045	1046	1049	1057	10 44	1091	5 16	1025	1
1046	1041	1039	1038	1038	1028	1020	1017	1018	1041	9 48	1070	21 36	1015	2
1043	1038	1040	1035	1028	1020	1022	1033	1033	1039	11 44	1074	20 24	1015	3
1042	1039	1031	1032	1032	1034	1034	1034	1034	1039	10 40	1060	0 44	1028	4
1055	1050	1042	1037	1033	1037	1041	1044	1045	1047	11 44	1075	18 48	1032	†5
1067	1066	1056	1049	1052	1051	1049	1050	1052	1061	10 56	1097	0 0	1043	6
1021	1020	1029	1031	1032	1033	1034	1035	1037	1038	11 20	1054	15 48	1017	7
1051	1048	1047	1045	1044	1043	1044	1044	1044	1051	11 0	1085	0 0	1035	†8
1063	1069	1058	1047	1045	1049	1046	1043	1043	1057	12 12	1089	2 20	1043	9
1051	1043	1036	1036	1038	1039	1038	1034	1032	1052	11 0	1091	23 24	1030	10
1048	1041	1040	1042	1044	1037	1029	1023	1027	1044	11 16	1075	21 40	1023	11
1061	1052	1042	1039	1038	1039	1038	1039	1046	1049	11 8	1079	0 0	1027	12
1036	1044	1038	1042	1035	1030	1029	1033	1033	1047	10 52	1078	20 8	1026	13
1051	1041	1037	1034	1034	1032	1032	1029	1036	1044	11 0	1070	22 12	1028	14
1051	1048	1045	1045	1044	1045	1043	1041	1039	1049	11 0	1074	4 20	1034	15
1050	1047	1046	1042	1042	1041	1041	1041	1038	1049	11 12	1082	0 0	1037	16
1050	1040	1036	1040	1042	1039	1042	1042	1042	1049	10 25	1085	16 52	1035	†17
1063	1060	1056	1055	1052	1052	1051	1051	1051	1059	10 48	1089	0 0	1040	†18
1064	1083	1079	1060	1002	984	982	995	1012	1040	15 26	1091	19 25	971	19
1040	1036	1033	1033	1030	1035	1036	1037	1037	1040	10 52	1077	0 0	1013	20
1050	1049	1047	1044	1042	1040	1037	1034	1032	1050	11 18	1083	23 8	1031	21
1051	1040	1039	1041	1039	1037	1034	1036	1038	1048	11 38	1077	0 4	1029	22
1061	1049	1045	1046	1045	1046	1043	1045	1045	1053	11 28	1081	0 0	1038	23
1047	1041	1021	991	966	943	963	942	930	1030	10 44	1092	22 40	928	24
1021	1018	1010	1013	1015	1016	1016	1015	1016	1007	10 20	1040	0 54	931	25
1041	1037	1039	1037	1037	1035	1038	1038	1037	1039	10 40	1069	1 0	1015	26
1061	1058	1050	1046	1043	1039	1036	1044	1044	1055	10 48	1090	1 40	1029	27
1067	1042	1045	1046	1049	1056	1060	1053	1042	1062	11 8	1115	0 0	1037	28
1027	1023	1032	1032	1031	1027	1031	1038	1033	1046	8 48	1075	15 44	1021	29
1047	1041	1041	1037	1035	1037	1037	1037	1037	1045	11 4	1064	2 40	1035	†30
1050	1045	1042	1039	1035	1033	1033	1033	1033	1046					Mean.
1053	1048	1045	1043	1041	1042	1043	1044	1044	1050					Mean†

DECEMBER.

1064	1058	1050	1045	1043	1044	1044	1041	1041	1051	10 20	1073	2 0	1039	1
1054	1050	1043	1039	1034	1031	1033	1029	1029	1046	12 0	1071	22 28	1027	2
1047	1045	1043	1043	1043	1042	1039	1042	1048	1046	10 38	1063	0 0	1022	3
1065	1061	1057	1055	1053	1053	1051	1051	1051	1057	11 36	1081	0 8	1042	4
1055	1055	1054	1052	1051	1049	1049	1046	1045	1057	10 40	1081	23 4	1044	†5
1072	1069	1066	1062	1060	1059	1057	1056	1058	1061	10 48	1081	2 0	1047	†6
1068	1066	1065	1069	1065	1060	1055	1043	1033	1063	10 16	1085	23 6	1030	7
1059	1059	1060	1050	1042	1036	1030	1031	1028	1051	11 8	1080	23 4	1027	8
1060	1053	1050	1047	1045	1043	1041	1042	1051	1053	11 40	1078	0 0	1032	9
1057	1053	1049	1049	1049	1049	1048	1047	1047	1057	10 48	1084	0 20	1043	10
1056	1051	1050	1050	1048	1053	1053	1052	1053	1058	10 44	1083	3 28	1047	11
1038	1030	1054	1054	1040	1044	1040	1041	1040	1050	3 52	1072	15 48	1030	12
1057	1055	1047	1046	1048	1048	1045	1045	1043	1052	10 20	1079	1 52	1031	13
1057	1055	1051	1046	1047	1046	1044	1044	1044	1048	15 4	1058	4 16	1040	14
1068	1063	1054	1053	1053	1049	1049	1048	1045	1058	11 40	1094	23 40	1038	15
1044	1043	1043	1044	1043	1044	1043	1043	1044	1042	12 8	1053	1 56	1031	†16
1057	1055	1054	1052	1048	1048	1052	1051	1055	1054	12 20	1073	0 16	1039	17
1061	1058	1057	1055	1051	1049	1049	1049	1050	1056	11 58	1075	4 38	1044	18
1053	1046	1044	1037	1051	1050	1049	1046	1048	1053	11 4	1073	17 36	1034	19
1062	1058	1054	1055	1056	1057	1055	1058	1060	1062	12 38	1093	0 44	1041	20
1033	1025	1007	1024	1027	1031	1026	1026	1033	1037	0 0	1064	17 20	1004	21
1046	1043	1042	1039	1040	1039	1039	1046	1047	1044	11 4	1056	0 0	1035	22
1040	1024	1041	1038	1039	1038	1038	1037	1038	1047	10 12	1069	15 40	1021	23
1034	1034	1038	1041	1041	1040	1036	1039	1041	1041	10 32	1055	15 40	1033	24
1043	1043	1043	1044	1043	1047	1048	1047	1049	1046	11 16	1058	2 54	1035	25
1055	1063	1060	1052	1054	1050	1046	1047	1048	1056	11 20	1073	21 8	1046	26
1062	1048	1043	1040	1039	1037	1042	1047	1048	1056	9 40	1091	19 56	1037	27
1052	1048	1049	1049	1048	1050	1050	1050	1051	1054	10 48	1068	16 0	1046	28
1059	1053	1052	1048	1046	1046	1046	1048	1049	1058	11 12	1093	19 4	1041	†29
1056	1048	1045	1045	1043	1041	1043	1046	1049	1058	10 24	1093	20 8	1040	†30
1075	1067	1064	1062	1061	1056	1058	1059	1055	1067	11 12	1102	0 0	1048	31
1055	1051	1049	1048	1047	1046	1045	1045	1046	1053					Mean.
1057	1054	1052	1050	1049	1048	1048	1048	1049	1055					Mean†

*See footnote on page 99.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JANUARY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	388	387	387	387	386	387	386	385	389	392	390	387	388	388	385
2	395	395	395	393	395	395	395	393	395	397	398	403	397	392	396
3	398	398	396	398	398	398	398	397	401	404	403	395	394	393	397
4	406	405	402	402	402	402	401	399	402	403	399	400	400	405	404
5	418	420	420	421	422	423	425	425	430	434	436	430	428	426	425
6	441	440	440	442	442	443	443	442	445	452	451	448	447	449	444
7	446	445	444	443	441	440	438	435	442	443	436	428	427	437	430
8	417	415	412	414	411	408	407	406	408	408	395	394	405	414	408
9	394	392	390	391	388	386	385	385	389	391	387	387	398	409	405
10	406	406	406	405	403	403	400	400	407	404	393	392	400	405	400
11	406	404	403	404	401	400	403	399	404	406	402	407	405	408	408
12†	403	405	403	405	405	405	404	400	405	401	391	394	402	417	421
13†	414	413	414	414	413	413	413	411	415	408	394	393	401	403	412
14†	418	418	418	419	419	420	421	419	432	434	408	396	410	416	423
15	424	424	424	425	425	426	425	426	434	430	420	407	415	427	431
16	426	423	423	426	423	424	424	422	429	437	428	418	424	435	437
17	426	425	425	424	423	421	422	420	430	433	424	419	417	421	425
18	419	418	415	415	413	414	414	412	417	419	404	398	398	399	397
19	411	411	410	411	409	409	407	410	411	408	392	381	388	399	394
20†	406	404	404	406	405	406	405	407	413	409	400	389	381	389	400
21	413	411	412	412	411	411	412	415	423	420	410	407	410	414	415
22	417	417	417	417	417	417	417	417	421	418	411	394	398	416	422
23	406	408	408	407	407	407	407	405	411	414	404	397	398	406	412
24	420	417	416	417	418	417	418	417	422	421	420	420	426	427	428
25	419	420	422	420	420	419	421	423	424	420	413	411	413	422	427
26	414	413	412	412	413	413	414	413	415	412	404	400	400	410	416
27	409	408	409	409	410	410	411	415	424	417	400	397	398	398	398
28	409	411	409	409	408	408	407	403	411	419	413	410	412	407	405
29	401	401	401	400	401	400	400	402	408	413	408	398	399	404	403
30	417	407	412	408	405	406	405	399	428	423	420	418	415	420	422
31	417	416	417	416	416	416	415	418	423	424	411	394	390	398	399
Mean ..	413	412	412	412	411	411	411	410	416	417	409	403	406	411	413
Mean† .	406	405	405	406	406	406	406	404	411	409	397	392	397	402	408

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1	413	414	411	410	410	410	410	411	418	417	406	389	393	406	405
2	421	421	421	420	420	419	419	422	424	429	423	409	407	404	403
3	415	415	414	414	413	414	412	412	420	421	413	404	407	413	415
4	410	409	409	408	409	409	409	409	414	415	406	398	410	414	411
5	409	408	407	407	405	404	404	404	403	404	401	396	398	399	401
6	401	400	397	402	401	398	393	395	397	398	392	381	385	400	408
7	406	407	406	406	405	403	403	409	402	397	393	385	396	406	407
8	406	407	405	407	405	404	403	405	404	397	398	395	404	415	417
9	416	417	417	418	417	419	419	420	423	418	413	411	417	424	427
10	427	427	428	428	428	428	428	429	431	429	426	415	418	430	434
11	424	426	426	424	425	426	426	427	438	435	430	427	427	431	431
12	425	425	425	425	427	427	429	429	430	423	414	409	414	420	427
13	433	433	433	432	432	432	434	434	437	437	432	427	433	437	439
14†	435	435	435	435	434	436	436	437	439	438	432	425	423	431	433
15†	438	438	438	437	438	437	438	439	445	446	440	434	433	436	435
16	445	444	444	444	443	442	441	441	444	438	431	428	430	438	446
17	441	441	439	439	438	439	439	441	444	444	438	431	426	430	433
18†	433	433	433	433	431	431	431	430	433	424	409	398	401	416	426
19	427	427	427	425	425	425	426	427	424	420	412	408	400	409	419
20	434	433	433	433	432	433	434	435	436	434	433	427	427	425	431
21	435	435	435	435	432	437	437	437	439	439	435	430	425	433	439
22	444	443	443	443	443	444	445	451	444	435	417	411	407	423	433
23	443	443	442	440	439	440	442	444	446	443	433	422	420	420	420
24	437	439	435	437	437	436	437	440	440	434	425	415	414	421	427
25	432	432	430	430	429	430	431	430	429	425	423	418	413	421	426
26	423	422	422	420	419	421	420	423	419	414	407	398	397	401	409
27	411	409	410	410	409	409	410	413	415	409	405	396	395	402	412
28†	403	403	402	403	404	403	404	407	405	401	393	387	391	402	411
29†	419	419	419	421	421	421	423	427	427	419	408	404	403	413	417
Mean .	424	424	424	424	423	423	424	425	427	424	417	410	411	418	422
Mean† .	426	426	425	426	426	426	426	428	430	426	417	410	410	420	424

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
388	393	398	395	395	395	394	394	394	390	16 44	399	6 40	384	†1
395	395	395	395	394	393	392	391	391	395	11 4	406	22 20	391	2
396	400	400	400	399	400	401	401	403	399	8 56	410	12 40	390	3
403	405	404	408	408	409	411	412	413	405	22 20	415	7 0	397	4
427	437	438	440	441	439	439	439	439	431	19 16	443	23 50	418	5
437	442	447	449	448	448	447	446	446	445	9 8	457	14 44	435	6
421	425	426	423	422	422	421	419	418	432	23 56	449	23 16	416	7
398	393	391	396	397	395	395	394	395	404	0 0	418	17 16	389	8
400	400	397	403	403	405	405	406	407	396	12 48	410	6 44	383	9
406	407	403	402	405	405	401	401	400	403	15 52	410	10 30	388	10
410	409	405	400	404	403	403	401	403	404	15 0	411	5 20	398	11
420	417	410	409	410	410	409	410	412	407	14 16	422	9 52	390	†12
418	422	419	414	416	416	414	415	417	412	16 4	424	10 48	392	†13
431	431	423	421	423	423	424	425	425	421	8 36	435	10 44	396	†14
433	432	426	425	428	427	427	426	428	426	8 4	434	11 8	404	15
430	428	425	426	427	427	427	427	427	427	8 52	439	10 48	415	16
429	431	426	422	423	421	420	419	418	423	8 56	434	11 48	417	17
407	417	413	409	412	413	412	410	409	410	8 34	421	13 48	396	18
400	403	404	405	405	405	405	403	405	404	23 56	412	11 4	379	19
410	411	409	411	413	413	413	412	412	405	7 56	413	11 36	381	†20
418	421	420	420	422	421	421	420	420	416	8 8	426	10 52	406	21
421	427	428	423	422	419	419	421	421	417	16 56	429	11 18	391	22
414	414	415	416	416	417	418	418	419	411	22 54	420	10 32	395	23
429	428	425	422	424	424	422	422	419	421	15 4	432	2 20	413	24
427	428	426	422	422	422	421	421	421	421	15 46	430	10 40	409	25
424	425	420	413	414	416	406	409	410	412	16 14	427	11 24	399	26
400	407	409	409	411	411	411	411	411	408	7 58	424	11 00	394	27
404	408	408	403	404	401	402	401	401	407	9 6	423	20 40	399	28
399	403	405	402	403	403	403	403	417	403	22 48	422	10 24	394	29
423	421	418	414	417	416	416	414	415	415	8 8	434	6 36	381	30
402	409	412	411	413	413	412	401	411	411	8 20	428	11 20	388	31
414	416	414	413	414	414	413	413	414	412					Mean
413	415	412	410	411	411	411	411	412	407					Mean†

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406	406	409	409	409	408	407	407	408	408	8 20	421	10 54	381	.1
407	414	416	415	415	416	416	416	415	416	9 0	429	13 40	400	2
415	416	412	411	412	410	411	409	409	413	9 8	424	11 20	401	3
413	414	407	403	405	406	405	404	404	408	9 4	417	10 54	394	4
401	401	400	400	402	403	403	404	404	402	0 40	413	11 20	394	5
408	404	399	398	401	404	404	404	408	399	14 40	410	11 30	379	6
412	406	399	397	401	402	404	405	406	403	14 20	414	10 40	379	7
417	413	413	413	415	416	419	420	423	409	23 04	428	11 0	394	8
430	432	426	424	424	424	425	425	426	422	15 28	436	11 16	406	9
436	431	427	427	433	433	434	433	433	429	14 20	439	11 20	411	10
438	440	433	431	431	433	432	433	434	430	15 40	441	3 20	421	11
432	433	433	431	431	431	431	431	431	427	16 4	434	10 44	408	12
444	445	440	436	436	435	434	434	433	435	15 40	445	10 56	424	13
434	438	439	438	439	437	436	436	436	435	8 20	441	11 40	422	†14
438	441	439	441	441	439	438	438	438	439	8 56	447	11 24	429	†15
448	447	449	439	439	439	439	438	439	441	16 44	454	11 4	426	16
432	431	428	430	433	433	432	431	431	435	8 6	445	11 40	425	17
429	426	418	416	419	420	420	419	420	423	7 42	438	11 20	396	†18
427	430	429	425	423	424	423	424	424	422	15 44	435	11 8	405	19
432	435	431	430	431	430	432	430	432	432	8 44	438	11 12	422	20
443	442	436	437	435	435	437	439	436	436	15 40	445	11 28	420	21
438	441	442	437	440	438	438	439	440	436	7 0	451	11 48	405	22
427	431	434	435	436	437	437	437	438	435	8 12	448	12 8	414	23
431	435	435	430	430	432	433	431	432	432	7 10	444	11 28	409	24
432	434	431	427	427	427	428	428	430	427	16 0	435	11 40	410	25
419	424	420	415	415	412	413	413	413	415	15 54	427	11 20	395	26
414	412	409	407	406	406	405	406	406	408	7 30	418	11 44	391	27
419	422	423	420	420	419	420	419	420	409	16 20	425	11 20	385	†28
423	425	425	422	423	423	423	423	425	420	7 20	429	11 40	401	†29
426	427	424	422	423	423	423	423	424	422					Mean
429	430	429	427	428	428	427	427	428	425					Mean†

*The daily mean value of vertical force derived from 24 hourly values has been corrected for progressive change by 1/48 of the difference between the values of the initial and terminal hours [*i.e.* by $\frac{1}{48}(a_{24}-a_0)$].

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	426	426	426	426	426	427	430	432	434	433	434	425	423	429	433
2	440	440	441	441	441	442	444	446	446	443	443	443	439	444	439
3	437	437	437	437	436	437	438	440	443	440	435	434	432	437	432
4	441	439	439	438	436	437	439	440	440	435	428	421	425	436	443
5	437	437	435	436	436	436	437	437	437	432	421	415	412	417	422
6	425	424	424	424	424	424	427	426	426	424	416	415	416	421	422
7	423	423	421	420	419	420	422	422	422	423	412	410	405	398	398
8	413	415	414	413	410	412	411	412	415	413	407	408	407	407	403
9	417	417	416	416	412	411	411	412	412	412	411	411	401	395	393
10	414	414	414	411	410	409	409	406	406	407	407	401	396	402	404
11	409	409	407	407	407	406	404	406	411	411	406	408	409	413	417
12	432	432	432	431	429	430	430	433	433	429	430	431	426	429	433
13	433	434	432	432	432	432	431	432	436	436	433	429	422	426	430
14†	432	432	431	430	430	430	430	434	434	424	417	414	418	424	423
15†	433	432	433	433	433	432	434	434	428	428	429	426	424	428	433
16	429	428	428	427	427	427	428	429	428	428	433	433	425	420	430
17†	424	422	423	423	423	422	424	422	420	417	413	408	400	403	413
18	410	411	411	410	409	410	411	415	408	403	398	398	396	399	402
19	403	402	403	402	402	403	404	406	404	397	387	384	388	400	411
20	427	426	427	427	426	428	431	436	429	418	415	419	422	427	433
21	437	436	437	435	436	438	439	443	444	438	438	425	419	427	439
22	441	440	441	441	441	442	446	452	453	451	442	427	419	419	437
23	442	442	443	442	442	443	445	450	447	443	441	431	423	427	444
24	440	440	439	438	438	439	440	444	443	437	423	412	408	413	423
25	424	424	423	423	422	423	423	432	438	431	426	422	422	432	439
26	431	431	431	431	431	431	433	435	431	423	422	414	415	418	420
27	429	428	430	429	428	428	429	435	429	417	414	407	404	408	418
28†	431	431	431	432	432	433	434	439	439	435	423	410	413	425	435
29	436	436	436	436	435	436	437	443	441	434	433	421	426	432	439
30	444	445	445	444	444	443	444	448	444	438	427	419	426	432	439
31	447	444	442	447	444	446	447	449	440	434	432	429	429	436	442
Mean	429	429	429	428	428	428	429	432	431	427	423	418	416	420	425
Mean†	429	429	429	429	429	429	431	432	431	428	423	417	416	422	427

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1	440	440	439	440	439	439	441	445	438	424	417	416	419	426	438
2	434	434	433	432	433	434	439	442	431	419	411	400	399	407	417
3	425	426	425	425	425	426	429	434	425	419	406	397	404	410	421
4†	431	432	430	430	431	432	437	435	422	405	406	409	413	425	433
5†	443	443	444	444	444	446	453	453	438	416	419	420	426	438	443
6	447	447	447	447	446	446	451	452	444	436	431	429	428	435	441
7	443	444	442	442	442	442	446	442	432	419	413	409	410	424	438
8	435	434	434	432	430	430	431	432	431	426	416	412	416	432	440
9	444	444	443	443	442	443	444	450	447	441	435	432	430	439	442
10	451	451	451	451	451	451	455	458	453	449	446	440	441	447	452
11†	460	461	459	460	458	458	464	470	466	457	446	439	438	449	457
12	460	459	459	458	458	458	463	465	458	450	440	439	442	452	454
13†	462	462	462	462	461	462	464	466	459	452	450	443	442	451	459
14	466	466	467	465	465	465	470	473	458	444	430	428	433	443	449
15	448	447	447	446	445	444	445	454	451	441	430	427	432	443	448
16	447	447	447	447	447	448	45.	461	455	442	434	433	434	445	452
17	458	458	458	459	459	460	465	467	457	442	433	429	435	445	456
18	461	460	459	461	460	461	466	466	456	451	440	432	431	444	458
19	463	463	462	460	461	461	465	466	458	451	437	430	432	441	452
20	462	462	461	461	461	461	467	464	458	446	432	416	415	428	439
21	462	461	462	461	460	462	465	471	470	459	435	423	432	444	449
22	459	459	458	458	457	457	460	465	463	457	441	427	432	440	447
23	451	450	450	449	448	450	450	455	451	446	431	427	433	439	443
24	451	450	451	449	449	449	452	460	455	443	428	428	436	445	449
25	451	452	451	451	451	451	451	459	455	449	434	435	437	449	451
26	453	453	453	452	452	452	455	455	448	439	430	430	441	453	456
27	449	449	448	447	447	448	451	450	441	439	440	441	444	452	457
28	447	447	447	447	447	448	452	450	438	427	421	419	423	439	445
29	434	435	434	434	433	435	444	438	428	420	409	411	419	425	430
30†	421	420	421	420	421	421	428	428	417	402	390	396	408	423	430
Mean	449	449	448	448	447	448	452	454	447	437	428	424	427	438	445
Mean†	443	443	443	443	443	443	449	450	440	427	422	422	425	437	444

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

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Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
437	439	434	434	436	438	437	437	440	432	23 0	440	11 40	421	†1
438	439	437	442	443	443	444	443	444	**442**	7 12	449	14 28	435	2
437	440	440	440	438	440	442	443	442	**438**	7 56	444	11 40	429	3
443	441	436	434	436	437	437	437	438	437	14 24	444	11 36	413	4
428	429	426	425	424	425	426	426	426	428	0 0	439	11 48	407	5
424	424	424	422	422	426	423	423	425	423	6 40	429	11 22	411	6
400	399	403	406	407	408	410	411	412	412	0 0	424	13 36	395	7
409	411	410	411	412	411	410	412	413	411	0 52	417	13 40	402	8
400	403	405	408	407	407	409	410	411	409	0 24	420	13 20	390	9
410	413	405	404	406	406	406	407	407	407	0 40	417	11 48	393	10
420	425	425	421	423	424	426	428	429	415	23 0	429	6 24	400	11
433	431	433	432	431	430	430	429	430	431	7 40	434	12 20	423	12
432	430	428	427	427	426	427	427	427	430	9 16	441	12 40	426	13
435	433	433	430	428	429	429	430	429	429	15 20	437	10 40	411	†14
438	434	430	428	428	428	429	429	428	430	14 40	441	12 8	423	†15
434	428	427	427	425	424	425	425	425	427	10 20	435	12 48	418	16
413	412	414	412	413	413	413	413	412	415	6 10	428	12 16	398	†17
402	403	401	400	402	404	405	404	406	**405**	6 44	416	12 0	396	18
418	419	418	417	420	421	424	425	425	408	22 40	428	11 0	**384**	19
436	437	438	436	435	436	436	438	439	430	23 20	441	10 12	411	20
442	443	443	443	442	445	447	448	448	439	23 40	452	12 16	414	21
450	453	448	443	442	445	446	447	448	442	8 10	455	12 36	417	22
451	452	447	442	440	442	444	444	444	442	15 28	**456**	12 0	422	23
429	429	432	434	434	434	436	437	437	432	7 12	446	12 16	407	24
443	443	442	435	435	436	437	439	439	431	15 2	447	4 0	421	25
425	425	427	428	428	428	427	428	430	427	7 48	439	11 40	409	26
424	426	426	426	427	428	428	429	431	424	7 8	438	11 20	403	27
442	441	437	437	437	437	436	437	437	433	15 0	442	11 15	402	†28
447	449	445	441	441	**441**	443	444	443	438	15 52	450	11 24	421	29
442	445	441	445	443	443	442	445	447	441	7 20	452	10 56	417	30
445	445	443	443	443	443	443	445	444	441	7 24	453	11 12	428	31
430	430	429	428	428	429	430	430	431	427					Mean
433	432	430	428	428	429	429	429	429	428					Mean†

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441	437	432	430	431	430	432	432	432	433	6 54	450	10 40	413	1
422	418	417	417	418	420	421	422	422	**422**	6 24	444	11 50	395	2
428	429	425	422	422	424	426	427	428	422	7 2	436	10 52	392	3
440	444	441	437	434	437	439	440	441	430	16 8	447	9 4	401	†4
448	452	450	447	445	446	447	449	449	442	6 20	455	9 38	413	†5
446	448	445	438	438	441	445	447	444	443	6 40	455	11 28	423	6
442	442	438	434	436	438	439	441	440	435	6 4	448	11 16	406	7
445	442	440	440	441	443	444	445	446	434	23 16	449	10 40	407	8
440	444	445	449	447	447	448	450	451	443	22 32	455	11 40	425	9
459	462	462	459	456	457	458	458	459	453	16 8	465	10 56	436	10
464	465	464	463	461	460	461	461	462	458	6 52	**472**	11 36	433	†11
458	458	457	457	458	458	460	461	461	456	7 20	471	10 40	436	12
464	467	466	464	463	464	464	466	466	**460**	15 44	469	11 44	439	†13
457	457	456	453	450	450	450	452	452	454	6 56	476	10 38	426	14
450	449	447	445	444	443	445	445	446	444	7 8	457	10 56	422	15
458	460	458	455	453	454	455	456	457	450	7 4	463	11 36	428	16
459	460	459	458	457	455	456	458	459	454	6 40	471	11 8	423	17
466	464	457	459	458	459	461	462	463	456	6 16	471	11 28	423	18
460	464	465	462	457	457	459	460	460	456	6 24	469	11 10	425	19
448	452	451	454	453	455	458	459	461	451	6 20	468	11 28	409	20
454	458	458	457	457	458	461	460	460	456	6 40	475	10 44	420	21
450	445	443	443	441	441	446	446	447	449	7 12	463	11 20	422	22
443	443	442	444	443	443	443	445	446	445	7 16	456	11 12	423	23
452	452	450	446	445	445	445	447	447	447	7 4	462	10 40	425	24
455	453	453	451	447	447	448	447	447	449	13 12	465	9 40	428	25
454	453	452	450	445	446	449	448	451	449	13 40	457	10 20	423	26
456	451	450	445	446	447	448	450	449	448	13 32	460	8 36	435	27
448	452	447	444	443	443	444	444	443	441	15 24	454	10 40	416	28
435	438	435	438	427	428	429	430	430	429	6 20	446	10 4	408	29
443	453	457	455	454	456	459	462	463	432	2 24	465	9 40	**385**	†30
449	450	449	447	446	446	448	449	449	445					Mean
452	**456**	455	453	451	453	454	455	456	445					Mean†

*See footnote on page 111.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MAY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	463	463	464	464	464	465	472	471	457	442	432	434	435	442	452
2	462	460	460	461	463	465	470	465	456	447	445	437	439	449	458
3	456	456	456	456	456	457	461	458	446	441	435	436	440	446	454
4	455	455	454	455	455	457	462	454	442	432	432	434	438	447	450
5	457	457	456	457	456	458	463	461	454	444	435	437	440	441	447
6†	441	443	442	442	441	441	445	445	439	431	427	427	425	435	445
7†	454	453	453	452	452	452	458	463	464	443	436	436	436	439	448
8	456	456	455	455	454	453	458	466	458	445	435	427	424	428	439
9	455	455	454	453	452	452	454	459	463	446	422	418	424	425	435
10	455	454	453	453	453	452	455	456	450	437	435	427	432	438	445
11	457	456	456	457	456	457	463	467	462	446	441	426	435	440	443
12	452	451	452	451	450	450	454	459	456	444	431	423	423	432	439
13	441	440	441	438	438	437	444	453	451	433	426	429	429	427	433
14†	428	427	427	427	428	429	438	440	431	411	397	403	414	424	431
15	453	455	456	455	457	460	468	467	456	446	433	433	442	448	448
16	465	466	464	464	465	467	473	474	473	471	454	453	453	455	461
17	467	465	465	465	465	467	475	475	469	451	440	444	451	454	460
18†	465	465	466	465	466	467	473	473	467	461	445	440	436	438	456
19	455	455	455	453	453	455	460	460	454	445	441	434	439	442	450
20	448	448	447	447	447	448	454	457	448	433	424	424	426	436	438
21	451	451	451	450	450	450	453	458	457	439	420	414	421	430	441
22	462	462	462	459	458	459	464	462	457	449	448	460	463	462	463
23	464	468	469	464	464	467	465	463	457	445	433	442	441	446	464
24	465	461	463	463	463	467	469	465	456	446	441	440	439	440	445
25	455	455	455	455	452	452	459	462	460	456	449	445	444	448	446
26	451	450	449	449	448	448	452	456	455	442	429	422	421	425	429
27	435	435	435	435	433	433	437	437	437	427	419	412	417	419	425
28	429	429	428	429	429	429	431	431	423	418	410	417	425	438	447
29	464	464	463	463	464	466	468	468	464	459	455	455	453	453	458
30	464	463	464	463	463	465	473	474	469	463	456	447	443	455	461
31†	468	468	466	466	466	467	472	470	461	454	446	435	437	445	456
Mean	455	454	454	454	454	455	459	460	455	443	435	433	435	440	447
Mean†	452	451	451	451	451	451	457	458	452	440	430	428	430	436	447

JUNE.

1	463	461	461	461	461	462	471	468	462	442	442	433	436	446	459
2	467	467	467	467	468	471	479	476	461	449	431	440	449	458	468
3†	468	468	468	469	469	473	479	476	465	455	447	448	454	459	459
4	465	464	463	464	464	465	471	475	469	458	444	443	445	449	451
5	462	462	461	460	460	461	469	469	463	458	453	451	456	459	471
6†	461	459	458	458	458	460	465	456	447	438	429	427	429	444	447
7†	454	453	452	452	450	450	455	458	449	444	437	434	438	437	434
8†	448	448	447	447	446	446	449	451	447	439	432	420	420	427	429
9	446	445	445	445	444	445	449	444	433	427	423	419	417	424	437
10	446	445	444	442	443	443	446	450	447	440	421	414	403	423	421
11	442	447	447	445	448	447	450	443	444	439	433	435	438	444	450
12	453	457	457	461	467	450	461	463	456	442	431	428	424	433	438
13	450	452	450	450	452	453	455	455	449	443	446	445	445	449	453
14†	456	456	455	455	456	457	462	457	447	434	422	423	433	439	454
15	454	455	454	454	454	456	463	463	455	447	441	432	437	446	453
16	449	451	451	451	451	454	462	461	451	442	431	431	432	439	448
17	448	446	446	444	444	447	454	447	441	424	416	411	412	417	426
18	456	456	456	456	456	458	466	462	455	440	444	440	435	437	443
19	470	471	471	470	467	470	471	466	458	448	439	430	433	440	448
20	463	465	466	458	460	466	467	470	463	448	446	445	438	445	457
21	467	467	466	466	464	466	468	463	458	457	449	435	422	431	443
22	461	464	464	464	460	459	462	465	457	444	432	426	435	441	446
23	461	459	460	459	458	458	461	459	457	463	462	459	455	449	448
24	460	460	458	459	459	458	463	461	453	449	438	429	431	433	445
25	458	458	458	457	456	458	464	471	471	459	440	429	425	438	452
26	476	477	475	474	474	475	480	484	481	469	461	453	449	461	463
27	475	474	474	475	474	476	485	482	477	465	466	465	471	475	472
28	481	481	481	481	481	483	487	488	484	472	457	452	444	438	450
29	475	475	475	475	474	476	480	479	474	465	456	446	445	463	470
30	475	475	475	475	475	479	483	478	473	455	450	453	456	462	470
Mean	460	461	460	460	460	461	466	465	458	449	441	437	437	444	450
Mean†	457	457	456	456	456	457	462	460	451	442	433	431	435	441	444

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

MAY. 17000 γ PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
459	461	460	457	460	459	461	463	463	457	6 10	476	9 52	431	1
466	467	465	463	462	462	463	464	465	459	6 4	473	11 24	435	2
460	459	456	452	454	454	455	457	457	452	6 4	465	10 20	431	3
451	453	451	452	455	455	457	460	460	451	5 40	463	9 8	428	4
454	455	454	452	450	448	449	450	451	451	6 2	466	10 4	429	5
452	453	451	449	447	447	449	451	449	443	15 16	457	11 44	423	†6
456	458	457	452	452	453	455	453	453	451	6 48	467	11 20	432	†7
449	452	451	449	449	447	449	451	451	448	6 48	471	11 45	416	8
442	447	447	445	446	447	448	448	448	445	7 44	466	10 54	414	9
453	452	453	451	451	451	452	454	455	448	6 40	459	11 8	423	10
447	444	446	449	448	447	449	450	450	450	7 16	468	11 4	421	11
440	443	441	440	441	440	441	441	443	443	7 40	467	11 32	420	12
439	439	438	434	431	429	429	431	430	436	7 8	458	9 56	423	13
448	449	449	449	450	450	451	453	453	434	23 18	457	10 8	**388**	†14
453	456	462	462	461	459	462	462	464	455	6 12	470	10 26	423	15
472	471	459	458	460	462	464	465	467	**464**	7 25	**482**	11 16	448	16
455	461	464	467	464	465	467	469	468	462	6 4	479	9 40	437	17
467	467	463	456	453	454	456	456	457	459	7 12	475	12 4	433	†18
457	457	452	452	451	452	453	455	454	451	15 28	464	1 36	431	19
446	452	452	449	448	449	451	453	453	445	7 4	458	11 24	421	20
439	443	451	450	453	453	459	457	459	446	7 12	464	10 56	410	21
462	462	457	460	455	458	463	461	462	459	6 24	471	9 48	444	22
471	464	464	459	457	460	461	459	465	459	15 12	473	10 32	434	23
451	455	458	461	454	454	454	455	456	455	6 56	473	12 20	432	24
447	452	453	453	452	451	451	453	453	452	7 12	468	12 4	441	25
437	441	444	441	437	439	439	440	439	441	7 16	460	11 20	417	26
431	435	433	431	423	425	425	424	424	**429**	7 20	439	10 56	409	27
454	455	456	456	455	458	459	461	462	439	23 24	467	9 36	404	28
456	459	459	459	460	462	463	464	464	461	7 8	469	12 24	449	29
463	465	464	461	463	463	465	466	468	463	6 32	476	11 40	440	30
464	463	464	461	462	463	465	465	465	460	5 58	476	11 16	431	†31
453	455	454	453	452	452	454	455	455	451					Mean
457	458	457	453	453	453	455	456	455	449					Mean†

JUNE.

460	467	467	467	462	464	467	469	469	459	6 20	473	11 8	431	1
471	473	473	467	463	465	466	467	466	464	6 12	481	9 52	427	2
463	467	465	459	459	459	461	462	463	463	6 4	483	9 38	439	†3
460	461	460	459	459	459	459	462	461	460	7 16	477	10 20	439	4
468	460	454	452	453	455	456	458	459	460	14 12	474	10 34	445	5
448	450	447	452	452	452	452	452	452	449	5 48	465	11 20	423	†6
439	442	444	443	447	447	447	448	448	446	6 56	460	11 8	429	†7
429	436	439	441	443	443	444	445	445	440	6 44	454	11 30	412	†8
446	447	442	437	436	439	440	445	445	438	6 12	451	11 30	412	9
431	435	438	437	439	443	443	440	449	**437**	22 54	462	11 48	**399**	10
453	450	448	444	442	445	446	451	452	445	1 42	457	9 48	431	11
442	444	443	443	445	447	449	450	451	447	3 48	477	11 40	420	12
460	462	459	451	452	454	456	456	455	452	15 24	463	8 58	438	13
455	450	443	444	446	448	450	452	451	448	5 28	464	9 56	418	†14
452	452	448	444	445	447	449	449	448	450	6 12	467	11 24	426	15
445	445	445	442	442	444	446	445	446	446	6 40	464	10 10	424	16
437	446	451	450	444	445	447	448	447	439	5 56	456	11 8	405	17
452	457	450	454	454	455	461	464	466	453	5 52	470	11 56	425	18
453	453	454	456	454	458	462	464	461	557	6 8	473	11 8	424	19
458	461	463	458	457	457	458	459	459	458	7 28	473	12 20	433	20
449	457	464	463	457	456	*459	460	460	456	5 44	470	11 58	419	21
451	450	451	451	455	457	457	457	457	453	6 24	468	10 44	421	22
447	453	452	449	452	452	452	454	454	456	9 4	464	14 6	444	23
449	450	451	451	451	451	452	453	453	451	5 46	464	11 16	424	24
466	473	473	470	467	469	471	473	473	460	16 4	476	11 32	416	25
468	470	476	476	473	473	473	472	473	471	7 20	488	11 32	414	26
478	478	480	477	474	475	477	476	479	**475**	6 20	489	9 40	458	27
465	469	471	473	469	471	472	473	475	471	6 40	**490**	12 40	435	28
471	481	479	475	472	472	472	473	474	471	16 20	483	11 42	439	29
479	479	474	469	467	469	469	471	471	470	5 52	486	9 16	437	30
455	457	457	455	454	456	457	458	459	455					Mean
447	449	448	448	449	450	451	452	452	449					Mean†

*See footnote on page 111.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JULY. 17000 γ PLUS TABULAR QUANTITIES.

Date,	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	469	467	468	467	467	471	472	478	476	459	456	454	449	448	462
2	470	471	470	470	469	471	478	478	472	454	440	432	439	449	458
3†	470	470	469	470	468	470	478	477	471	458	453	450	453	455	451
4†	470	470	470	469	470	472	476	479	476	471	457	446	449	461	466
5	473	471	470	471	471	474	479	481	477	463	455	445	446	454	458
6	473	473	473	473	473	476	483	482	473	456	437	447	459	468	475
7	477	477	476	477	477	479	483	481	472	459	439	429	434	441	453
8	474	473	474	473	473	475	482	485	478	464	453	454	465	469	475
9	479	478	477	475	475	477	481	486	483	469	458	449	450	449	461
10	490	487	489	488	487	491	**499**	496	490	479	476	474	473	475	485
11	486	487	487	487	487	489	494	492	484	479	478	475	467	472	483
12	485	485	484	484	483	487	493	487	478	467	449	449	464	476	488
13	476	476	478	478	478	479	483	474	467	461	441	445	457	461	468
14	465	465	466	466	466	468	473	476	471	462	448	438	438	460	471
15	458	457	457	458	459	462	468	465	463	453	443	442	452	454	454
16	457	455	454	457	456	458	464	459	443	429	**415**	423	424	429	433
17	455	454	454	454	454	452	459	460	454	447	430	435	438	451	462
18	466	463	464	464	463	466	469	475	467	461	454	442	439	439	453
19	468	467	465	467	467	467	471	470	465	461	452	452	457	463	470
20	468	467	467	467	467	469	475	482	476	455	433	428	423	412	451
21	468	470	468	467	465	465	470	470	462	452	445	445	441	444	447
22	460	462	461	460	460	460	462	463	457	446	429	428	435	438	444
23†	456	455	455	455	455	455	459	459	445	428	423	428	432	447	457
24	460	460	460	461	461	461	467	470	465	456	460	456	448	455	463
25	465	465	465	465	465	466	472	473	463	449	438	436	439	448	453
26	463	464	463	463	463	464	469	470	465	450	454	452	449	450	459
27	465	464	467	468	468	469	473	468	461	456	443	447	453	460	466
28	469	471	470	469	472	472	475	474	466	457	451	451	455	462	466
29	462	463	462	463	463	462	470	467	456	447	441	442	444	448	459
30†	464	464	463	464	463	466	471	473	469	456	450	440	429	438	463
31†	460	460	460	460	461	462	469	467	460	453	441	435	435	447	461
Mean . .	468	468	468	468	468	469	475	**475**	468	457	447	**444**	446	453	462
Mean† . .	464	464	463	464	463	465	471	**471**	464	453	445	**440**	440	450	459

AUGUST.

1	457	458	457	457	457	459	465	467	470	462	449	441	439	450	459
2	461	462	462	462	462	465	469	471	465	458	450	444	447	453	456
3	462	461	461	461	461	463	464	465	459	447	454	451	446	447	453
4	461	461	461	461	461	462	467	471	465	458	451	444	437	444	452
5	452	452	451	451	450	451	456	456	457	451	437	429	429	432	438
6	444	444	443	443	445	446	450	451	445	435	427	431	436	436	438
7	452	453	453	453	453	454	461	465	459	449	439	430	435	443	444
8	454	454	454	455	455	455	461	464	452	438	427	**420**	426	450	459
9	455	456	456	457	458	460	465	462	458	449	452	455	457	458	465
10	457	458	459	460	460	462	464	463	462	462	451	449	446	453	459
11†	456	455	457	457	458	459	461	459	449	439	438	438	442	451	457
12†	457	458	457	458	459	461	467	467	462	449	433	435	437	442	447
13	456	456	456	456	457	459	465	464	452	442	438	435	436	444	453
14	465	466	466	466	467	469	477	473	464	452	445	437	439	442	454
15	470	471	470	471	471	472	481	470	456	449	447	452	460	467	472
16	472	472	472	472	472	474	482	481	471	464	452	457	467	477	486
17	469	468	469	469	470	472	478	473	459	446	437	445	454	459	469
18	468	468	468	467	468	471	475	476	465	451	436	439	441	445	443
19	462	461	461	462	462	463	469	469	464	457	452	451	451	443	445
20†	457	458	457	457	457	457	460	463	460	444	433	439	445	457	467
21†	477	477	477	478	477	477	482	487	483	468	469	474	473	474	490
22	484	484	484	484	484	484	486	488	481	475	472	460	469	465	466
23	478	478	478	477	477	477	481	486	484	476	471	464	461	468	471
24	480	479	479	479	479	480	488	488	480	465	464	455	459	468	476
25†	485	487	487	487	487	487	494	500	485	473	479	477	476	479	483
26	496	496	496	496	497	498	**504**	504	492	485	464	462	467	471	473
27	483	484	484	485	485	487	494	488	477	466	466	470	475	485	488
28	493	493	493	491	491	491	499	495	482	473	463	464	464	472	475
29	486	485	486	485	486	487	494	491	479	464	456	453	457	457	464
30	478	478	478	479	477	480	485	485	471	462	445	444	445	455	458
31	469	468	467	466	467	467	471	474	462	446	440	434	437	447	452
Mean . .	468	468	468	468	468	469	**475**	475	467	456	450	**448**	450	456	461
Mean† . .	466	467	467	467	467	468	473	**475**	468	454	**451**	453	455	461	467

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

JULY. 17000 γ PLUS TABULAR QUANTITIES.

Hours. ‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
470	473	471	463	461	462	465	466	466	465	7 4	481	12 40	445	1
472	480	477	466	464	468	469	469	468	465	6 16	483	10 44	431	2
461	470	471	468	466	466	466	468	468	465	6 26	480	10 40	448	†3
474	472	471	467	463	466	468	470	470	468	6 22	481	11 12	441	†4
470	477	477	474	469	471	469	470	472	468	6 52	483	11 20	439	5
481	481	485	471	469	472	473	474	475	471	6 20	486	9 48	435	6
461	472	479	479	470	472	473	474	474	467	6 16	485	11 4	426	7
478	484	482	477	473	473	474	476	476	473	6 20	487	10 32	448	8
478	481	490	487	483	484	484	487	489	476	17 8	493	11 14	441	9
493	493	493	486	483	484	484	485	486	**488**	6 4	**502**	12 16	471	10
486	484	482	482	479	479	480	480	482	482	5 44	496	11 52	463	11
490	481	474	472	475	477	478	479	480	477	14 16	494	10 12	442	12
468	468	469	466	464	465	467	467	467	467	5 40	483	10 12	435	13
475	472	471	467	459	461	461	461	461	463	6 52	478	11 40	436	14
454	452	455	453	450	450	452	452	453	455	5 48	469	10 36	439	15
441	451	453	454	453	452	453	453	454	**447**	5 52	466	10 4	**410**	16
467	471	469	459	458	460	462	463	464	456	16 20	475	10 28	433	17
473	480	476	468	462	464	466	467	467	463	15 44	482	12 20	434	18
463	472	475	472	467	467	468	469	469	466	16 16	477	10 20	449	19
470	479	475	470	461	464	465	467	470	462	7 4	484	11 44	421	20
458	466	467	465	461	462	461	462	463	460	5 58	471	12 4	440	21
456	460	461	457	452	453	454	454	454	453	6 40	466	10 13	420	22
459	456	454	455	455	457	457	458	457	451	6 8	461	9 55	418	†23
472	472	470	462	462	462	462	462	462	462	14 44	473	11 30	438	24
457	452	455	455	455	459	460	462	463	457	6 40	474	10 4	432	25
461	471	470	466	462	459	461	463	465	461	6 10	472	12 12	443	26
466	463	457	463	463	467	466	468	468	463	5 56	476	10 4	440	27
469	470	465	465	465	463	463	465	465	465	6 4	479	9 52	448	28
466	462	462	458	455	458	459	460	460	458	6 20	472	11 20	437	29
464	465	467	464	457	457	459	461	460	459	7 28	476	12 8	425	†30
463	466	464	460	457	459	460	461	461	457	6 4	471	11 8	430	†31
468	471	470	467	464	465	466	467	467	464					Mean
464	466	465	463	459	461	462	464	463	460					Mean†

AUGUST.

462	462	464	464	458	458	460	461	461	458	7 44	471	11 58	435	1
464	464	465	463	459	461	462	463	463	460	6 28	473	11 20	439	2
459	461	465	462	460	461	462	462	463	459	6 20	467	12 20	445	3
455	456	454	454	451	453	455	457	458	456	6 10	472	11 52	431	4
438	439	442	444	445	442	446	448	447	**445**	7 48	459	10 44	427	5
442	448	453	454	449	450	451	452	453	445	17 24	456	10 24	423	6
449	453	451	452	452	452	453	453	455	451	6 44	469	10 44	428	7
461	459	459	453	448	449	450	451	453	450	6 40	470	10 50	**417**	8
468	464	457	453	454	455	456	458	459	458	14 24	471	8 58	444	9
461	461	462	455	453	455	456	457	457	458	5 52	465	12 4	440	10
464	461	456	452	454	454	454	455	456	453	14 16	464	9 26	433	†11
451	454	453	449	450	451	452	454	454	452	6 8	469	10 4	429	†12
461	465	464	458	457	460	461	462	462	455	16 4	469	10 30	428	13
466	471	467	462	460	462	464	465	466	461	6 8	479	10 44	433	14
476	479	477	470	468	469	471	472	473	468	5 56	483	10 8	445	15
492	488	478	467	466	467	469	470	470	472	14 40	495	9 58	448	16
474	475	474	468	460	464	467	469	469	465	5 58	480	10 4	435	17
447	455	463	462	458	458	460	461	462	459	6 16	479	10 18	433	18
450	458	464	463	458	459	460	462	463	459	6 20	473	13 24	439	19
468	471	472	468	466	469	471	473	475	461	16 50	477	9 40	429	†20
484	485	483	478	477	479	480	480	483	478	7 20	489	8 58	460	†21
474	477	481	480	478	479	481	482	483	479	6 20	490	12 46	463	22
474	477	478	474	474	475	476	477	478	475	7 20	487	11 30	457	23
481	484	484	482	482	480	481	483	483	477	6 20	490	11 20	453	24
485	493	491	489	490	490	491	493	493	**487**	6 40	501	8 30	471	†25
475	481	480	477	477	477	478	479	479	483	6 20	**507**	10 56	457	26
491	490	488	486	488	488	488	490	490	484	5 56	497	9 20	462	27
480	484	486	484	479	481	482	482	483	482	6 4	501	10 40	461	28
472	482	481	474	472	474	474	477	476	475	6 18	496	10 32	449	29
460	461	461	459	461	462	465	465	465	466	6 8	490	11 8	441	30
456	459	459	459	457	459	460	460	461	458	6 30	476	10 58	432	31
466	468	468	465	463	464	466	467	467	464					Mean
471	473	471	467	467	468	470	471	472	466					Mean†

*See footnote on page 111.

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

SEPTEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	453	452	452	452	452	452	455	465	459	448	437	438	440	445	448
2†	449	449	446	446	448	448	454	457	452	440	435	430	434	443	451
3	446	445	445	445	445	447	454	454	436	417	403	**402**	409	420	429
4	434	434	433	434	433	435	430	447	439	426	421	416	414	421	425
5	435	435	435	435	435	435	436	443	439	428	416	419	433	447	459
6	465	466	466	466	468	471	472	474	466	457	456	459	460	465	469
7	472	472	473	473	473	475	479	483	473	452	441	439	445	454	466
8	470	471	477	472	469	471	481	479	467	459	458	453	456	457	467
9	473	474	473	474	473	472	478	475	463	446	433	428	437	454	470
10	469	468	470	471	471	471	476	480	470	455	440	429	434	448	466
11†	465	465	466	466	466	468	475	477	462	435	415	410	413	426	447
12	463	462	463	462	463	464	467	473	462	446	450	442	441	452	461
13	473	469	468	469	471	473	475	477	466	449	437	428	432	442	454
14	464	464	464	463	464	465	467	478	467	451	437	434	438	453	460
15	462	463	462	463	464	463	471	470	457	441	434	431	438	455	469
16†	461	461	460	459	459	459	466	464	449	439	442	437	432	444	452
17‡	458	458	457	457	456	457	463	459	447	439	428	425	431	441	454
18	467	467	467	467	467	467	474	472	450	448	447	444	443	454	459
19	467	468	468	468	467	468	472	474	467	454	442	437	430	451	466
20†	471	471	471	471	471	471	471	477	476	469	460	451	441	452	464
21	476	477	476	477	475	475	476	485	483	474	468	458	442	449	461
22	475	475	474	473	473	473	478	485	479	464	454	447	437	446	457
23	471	470	471	471	471	473	471	477	464	449	443	441	449	461	469
24	472	474	474	471	471	472	475	481	468	462	452	448	450	453	456
25	475	474	476	476	476	476	480	487	479	458	442	439	443	452	467
26	477	477	477	477	476	477	480	485	480	473	473	474	473	479	492
27	479	479	479	479	479	480	485	491	484	473	463	447	458	465	478
28	485	487	484	485	485	485	489	494	487	480	479	470	469	482	495
29	498	497	496	498	497	497	503	**503**	483	466	460	462	467	481	496
30	490	490	489	489	489	491	497	494	476	457	452	454	459	462	480
Mean . .	467	467	467	467	467	468	472	**475**	465	452	444	**440**	442	452	463
Mean† . .	461	461	460	460	460	461	466	**467**	457	444	436	430	**430**	441	454

OCTOBER.

1	492	491	491	491	490	491	494	499	485	467	**461**	463	463	476	485
2	490	490	488	488	488	488	491	496	485	468	459	460	460	464	475
3	485	485	484	483	482	483	486	491	479	463	452	445	**439**	445	459
4	477	476	476	475	475	476	478	480	474	467	470	464	465	472	483
5	485	485	485	485	485	487	486	491	485	483	473	465	462	472	481
6	488	489	490	490	490	491	493	495	485	474	473	475	477	484	500
7	497	499	499	499	499	499	499	491	477	476	476	476	474	479	490
8	496	495	496	494	495	493	497	493	483	470	463	470	479	489	497
9	487	486	486	485	484	484	484	486	477	461	459	459	461	471	480
10	474	473	473	472	473	473	474	476	467	450	440	444	453	465	479
11†	466	466	465	463	463	463	465	471	462	449	441	441	451	463	478
12†	492	491	491	490	490	493	496	499	492	481	463	463	467	475	485
13	491	491	491	490	492	492	495	498	488	474	463	456	464	475	489
14†	487	487	487	486	487	487	488	492	487	473	467	465	470	486	493
15	489	490	489	489	489	489	488	495	497	492	479	471	475	481	485
16	490	490	489	489	489	489	488	495	489	478	460	473	476	486	490
17	486	484	484	484	483	484	484	491	483	471	459	457	459	467	477
18	474	474	475	475	474	475	477	481	477	471	469	467	466	477	479
19	481	480	480	479	478	479	481	482	479	477	474	467	470	475	478
20	479	479	480	479	478	479	479	484	485	481	481	472	470	472	476
21	462	462	461	459	459	461	461	464	460	453	447	444	448	456	459
22	451	451	450	450	450	450	452	455	455	451	450	448	448	450	454
23	446	446	446	446	446	447	446	453	453	451	444	455	465	468	470
24	474	476	477	477	480	474	472	476	479	481	480	484	483	492	480
25	480	479	481	477	481	478	478	483	484	477	470	474	478	482	482
26	483	483	484	483	484	485	486	488	487	482	476	474	475	481	482
27	484	483	483	481	482	482	483	484	481	473	470	470	477	484	491
28	487	487	486	487	485	487	487	485	485	478	475	479	486	491	491
29†	494	493	492	492	492	492	493	492	489	485	481	475	476	481	481
30†	476	477	475	474	474	474	473	475	477	469	466	465	474	482	487
31	482	481	479	478	477	476	478	480	479	473	464	464	474	477	479
Mean.	481	481	481	480	480	481	482	**485**	479	471	465	**464**	467	475	481
Mean†	483	483	482	481	481	482	483	486	481	471	464	**462**	467	477	485

† Five international quiet days.

‡ The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

SEPTEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.			Minimum.			Date.
15	16	17	18	19	20	21	22	23		Time.		Mag.	Time.		Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H.	M.	γ	H.	M.	γ	
454	455	453	445	446	447	448	449	450	450	6	58	466	10	16	430	1
455	457	451	443	443	445	446	446	446	447	15	44	461	10	48	422	†2
435	442	440	436	434	434	435	436	438	434	6	30	457	10	24	**398**	3
431	436	436	434	432	431	433	435	438	**432**	6	58	449	10	43	409	4
466	468	471	467	468	469	473	473	475	449	23	28	476	10	2	414	5
473	476	478	472	469	471	473	474	473	469	16	40	483	9	8	452	6
470	470	469	469	471	471	472	473	476	467	6	40	484	10	20	434	7
473	475	476	477	477	473	474	475	476	470	6	12	484	10	40	451	8
479	481	476	471	469	470	473	473	474	466	15	28	495	10	28	424	9
471	477	473	468	468	468	469	469	469	465	6	40	482	10	56	426	†10
463	469	466	460	458	459	461	461	461	455	6	40	478	11	8	407	11
467	467	464	465	465	465	466	466	468	461	6	52	474	11	4	439	12
461	463	461	459	458	460	462	463	464	459	6	40	481	10	40	425	13
463	463	464	461	460	461	462	463	464	459	6	44	479	11	4	429	14
469	471	469	463	459	463	461	462	463	459	6	40	473	11	8	429	15
461	464	461	454	452	455	456	456	456	454	6	25	468	11	25	428	16
464	467	466	464	463	464	466	467	468	455	15	24	470	11	2	421	†17
467	469	468	466	465	465	468	468	469	463	6	16	476	11	24	440	18
472	472	465	461	462	464	465	465	467	462	6	40	475	11	32	425	19
472	477	478	474	473	474	475	475	476	469	16	20	480	11	58	438	†20
470	473	470	470	471	470	471	473	474	471	7	4	486	12	18	438	21
465	467	467	466	467	468	470	471	473	467	6	58	486	11	44	435	22
469	467	464	463	465	467	469	469	469	465	6	40	481	10	20	435	23
460	464	467	469	469	471	472	473	474	467	6	48	484	11	24	445	24
476	478	474	472	474	473	474	474	474	470	6	58	491	11	12	433	25
494	489	482	477	479	478	476	479	479	479	14	28	495	11	20	471	26
489	486	479	475	479	479	481	482	483	477	6	56	492	11	16	443	27
499	497	491	488	489	488	488	491	492	487	14	40	502	11	36	467	28
500	497	490	489	491	490	492	495	496	**489**	6	28	**506**	10	20	457	29
489	491	488	484	485	488	490	489	490	482	6	24	501	9	40	445	30
469	471	469	465	465	466	467	468	469	463							Mean.
463	467	464	459	458	459	461	461	461	456							†Mean.

OCTOBER.

489	490	487	484	484	484	486	487	488	484	6	44	500	10	10	459	1
482	482	479	478	479	481	482	482	484	480	6	42	501	10	4	458	2
469	474	474	471	470	473	473	473	476	471	6	44	493	11	50	**438**	3
488	488	490	480	479	480	482	482	483	478	15	16	491	11	24	460	4
483	483	481	480	480	480	482	483	484	481	7	10	493	11	40	460	5
507	500	492	493	495	495	495	496	497	490	14	58	508	10	4	472	6
501	499	494	494	494	494	495	495	496	**491**	14	44	**510**	12	10	472	7
496	490	486	488	489	490	490	491	491	488	5	48	499	9	22	462	8
482	478	471	470	471	473	472	472	473	475	6	44	492	10	44	458	9
483	477	467	462	463	463	464	463	467	466	14	56	484	9	20	438	10
491	489	484	482	483	484	484	487	490	471	14	59	494	9	30	440	†11
495	495	489	484	487	488	489	490	491	487	6	38	500	10	4	461	†12
495	497	492	488	490	490	491	492	494	486	15	40	500	10	36	456	13
495	493	489	487	489	490	491	493	495	486	14	40	499	10	42	465	†14
490	489	483	482	485	487	487	487	491	487	7	56	497	11	4	471	15
491	484	482	480	482	482	482	484	486	485	6	59	496	9	54	468	16
480	478	474	472	474	475	476	477	478	476	6	48	491	11	18	457	17
481	474	470	474	478	477	481	482	483	475	23	10	483	11	36	463	18
476	477	476	477	480	481	482	485	483	478	22	15	485	10	59	467	19
477	478	476	473	473	474	474	474	473	477	7	24	487	11	24	467	20
456	452	448	452	454	454	456	456	457	456	7	10	468	10	58	443	21
450	451	453	454	453	453	453	453	453	451	7	20	458	11	20	444	22
468	463	465	468	469	473	474	472	474	459	12	26	475	9	56	443	23
483	479	479	479	482	482	483	482	482	480	13	14	492	5	58	470	24
485	482	482	486	485	485	485	485	485	481	6	59	490	10	32	467	25
482	481	481	484	484	484	484	485	485	483	7	28	488	11	8	472	26
488	483	481	484	485	486	486	488	489	483	13	40	492	10	20	469	27
487	484	485	488	489	490	491	492	491	487	13	18	493	9	59	474	28
477	473	469	471	472	472	472	473	474	481	0	0	495	17	4	467	†29
491	488	479	475	477	478	478	478	478	477	14	48	492	10	56	465	†30
480	477	473	475	475	477	477	477	478	476	7	20	485	10	48	462	31
484	481	478	478	479	480	481	481	482	478							Mean.
490	488	482	480	481	483	483	485	486	480	..		..				Mean.†

*See footnote on page 111.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

NOVEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours.‡ 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	486	484	483	483	481	480	483	486	486	476	472	470	476	486	490
2	484	484	483	481	479	478	478	478	472	467	452	447	461	470	476
3	470	470	471	469	468	467	468	471	475	469	459	455	457	468	466
4	461	459	458	457	455	455	457	459	452	445	441	441	445	451	449
5†	445	444	444	444	443	444	445	447	438	432	427	429	436	442	445
6	444	442	443	443	442	443	444	444	441	426	**421**	427	437	448	455
7	472	472	474	474	473	473	476	476	482	483	487	490	496	493	491
8†	485	485	484	485	484	485	485	485	485	483	485	485	487	490	488
9	487	486	487	487	488	489	490	496	493	491	489	486	491	492	493
10	489	487	486	487	487	488	487	487	491	485	472	465	467	472	472
11	468	467	466	467	467	467	464	462	471	471	466	462	470	478	476
12	463	462	463	461	462	461	461	463	464	463	462	453	457	462	470
13	476	474	475	**474**	475	474	479	477	476	475	464	462	467	466	461
14	476	476	477	477	477	476	479	476	481	478	472	467	465	467	473
15	482	482	482	482	480	480	480	481	485	483	474	469	474	476	478
16	479	477	477	475	476	475	474	474	479	476	467	462	468	473	471
17†	467	466	467	466	465	468	467	466	470	472	473	471	472	477	475
18†	474	473	472	472	472	473	472	469	474	473	463	450	454	464	464
19	467	466	466	465	465	466	466	465	467	469	465	462	468	474	469
20	471	470	470	470	469	467	466	466	468	466	470	480	486	491	492
21	502	502	502	501	500	501	500	501	503	503	499	502	**510**	510	501
22	503	502	501	501	499	498	497	495	499	497	455	437	437	441	446
23	472	472	470	471	470	471	470	466	466	467	461	461	466	467	463
24	468	467	468	467	467	468	467	465	470	474	471	471	463	456	451
25	470	470	470	470	471	468	464	458	464	469	475	477	476	474	472
26	467	467	465	466	465	464	462	462	461	459	455	456	456	454	448
27	450	450	448	447	448	449	450	449	456	457	458	459	458	460	456
28	465	465	464	464	465	465	468	466	472	476	479	482	480	474	468
29	491	491	491	489	489	492	493	491	493	494	491	493	501	**505**	501
30†	497	497	496	496	495	496	495	493	491	485	481	480	484	494	495
Mean	474	474	473	473	473	473	473	473	474	472	467	**465**	469	473	472
Mean†	**474**	473	473	473	472	473	473	472	472	469	466	**463**	467	473	473

DECEMBER.

1	489	489	489	488	487	488	488	485	491	493	489	474	475	476	480
2	474	474	474	474	474	474	474	475	481	481	471	465	465	461	461
3	468	468	469	470	470	471	471	473	481	481	470	466	465	463	454
4	468	467	468	468	469	467	470	469	475	478	478	476	473	470	467
5†	471	471	471	469	470	471	471	472	477	480	471	472	474	473	473
6†	481	480	480	481	481	482	483	482	490	494	489	481	478	477	469
7	472	471	471	470	470	470	471	471	476	478	467	462	469	473	468
8	466	464	463	463	463	462	463	465	468	471	454	454	458	460	458
9	459	459	458	459	458	457	457	457	465	464	454	446	449	455	458
10	463	462	461	460	461	461	461	460	466	469	464	464	465	469	466
11	465	465	465	466	465	467	468	471	473	476	478	472	473	479	477
12	480	479	479	479	476	475	481	482	484	484	476	450	455	461	464
13	470	470	468	468	467	468	467	470	468	461	447	444	443	447	455
14	462	460	459	458	458	458	459	459	459	455	443	**438**	448	454	455
15	471	471	470	469	468	470	471	471	475	474	469	469	472	477	477
16†	469	469	468	468	468	468	472	476	479	474	455	450	449	453	462
17	467	466	466	466	466	467	469	470	473	474	465	461	469	467	466
18	473	472	472	472	470	466	468	469	477	475	466	455	459	466	465
19	469	470	471	470	469	469	470	468	474	476	468	466	473	470	470
20	482	482	481	473	481	482	483	481	491	493	486	475	468	481	480
21	477	478	478	477	478	475	477	475	483	487	489	473	463	474	473
22	483	483	483	483	483	483	483	483	492	497	493	482	479	476	472
23	480	479	479	479	479	480	480	481	486	483	477	473	469	474	477
24	482	480	481	479	480	479	479	479	485	487	487	479	474	461	466
25	482	482	482	483	483	483	483	484	490	489	492	491	491	492	483
26	493	493	493	493	492	493	495	493	503	**511**	500	489	486	480	479
27	491	491	491	491	490	490	491	488	497	502	493	488	491	491	497
28	494	493	493	494	494	494	493	501	507	503	496	489	496	493	
29†	491	490	490	489	489	490	490	488	492	493	483	477	478	486	488
30†	489	488	488	487	487	486	485	483	487	493	484	480	478	474	476
31	488	488	487	487	488	487	486	485	489	486	482	483	475	485	493
Mean	477	476	476	475	475	475	476	476	481	**483**	476	**469**	469	472	472
Mean†	480	480	479	479	479	479	480	480	485	**487**	476	472	**471**	473	474

†Five international quiet days.

‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* introduction, page 6).

NOVEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Hours.‡									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
489	484	477	479	481	481	479	480	483	481	14 20	494	10 45	468	1
479	475	470	468	468	468	468	468	467	471	1 4	485	10 40	445	2
459	457	460	462	462	459	458	461	462	464	8 14	476	10 45	455	3
447	446	446	445	446	445	445	445	445	449	7 14	462	10 20	439	4
444	441	440	441	443	443	443	445	445	**441**	6 40	448	10 0	425	†5
456	460	463	464	467	468	469	471	473	450	22 40	474	9 12	421	6
487	486	487	488	487	487	488	489	488	484	11 52	497	0 20	471	7
488	487	486	489	491	491	491	491	492	487	22 20	495	6 20	481	†8
494	491	489	491	493	494	494	493	494	491	6 59	497	1 20	485	9
475	475	471	473	476	476	476	477	477	479	7 40	492	10 56	463	10
475	469	468	468	467	465	465	465	464	468	13 4	479	10 52	459	11
475	478	473	472	471	471	472	473	473	466	15 59	479	10 45	452	12
460	466	471	473	473	474	473	474	474	471	5 59	480	14 58	459	13
477	479	478	478	479	480	480	482	481	476	8 20	483	11 48	464	14
479	482	481	480	481	481	481	481	481	480	7 59	487	10 40	468	15
468	468	470	468	467	467	468	468	468	471	7 44	480	10 30	461	16
468	466	466	467	466	466	466	467	467	468	11 44	479	6 28	464	†17
462	465	469	465	464	464	463	464	463	467	8 10	477	11 3	449	†18
465	467	464	465	466	460	463	465	467	466	12 58	477	10 38	457	19
492	493	494	494	496	495	495	497	498	482	23 12	499	6 20	464	20
498	501	501	500	499	498	497	498	496	**501**	12 40	**513**	14 30	495	21
446	451	460	463	464	466	466	467	470	473	7 20	504	11 28	435	22
465	465	468	467	466	465	465	465	466	467	0 10	473	10 40	459	23
454	460	470	465	467	467	473	471	471	466	9 5	474	13 56	451	24
468	465	461	466	469	468	468	467	466	469	11 8	478	6 40	455	25
448	455	455	454	455	454	455	456	456	458	0 20	467	14 20	445	26
455	460	463	464	465	466	466	467	470	457	23 20	471	3 20	446	27
473	481	485	488	490	491	493	495	497	477	23 40	497	2 20	463	28
494	496	498	499	500	501	501	503	504	496	12 46	509	3 20	489	29
492	490	493	493	495	495	494	495	495	492	0 20	497	10 59	479	†30
471	472	473	473	474	474	474	475	475	472					Mean.
471	470	471	471	472	472	471	472	473	471					†Mean.

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485	490	485	483	483	482	482	483	484	485	9 8	495	11 18	469	1
463	469	470	467	467	468	467	467	468	470	8 50	483	10 40	460	2
461	466	466	467	467	468	467	467	467	468	8 30	482	13 59	453	3
468	470	471	471	471	472	472	471	472	471	8 59	479	14 6	465	4
472	470	472	472	472	473	473	473	474	473	8 56	480	10 30	468	†5
468	476	476	475	475	474	473	471	471	478	9 4	495	14 25	467	†6
470	471	470	468	468	466	464	463	467	469	8 40	479	11 4	461	7
455	456	459	456	456	455	456	455	456	460	8 58	471	10 20	451	8
456	449	450	453	455	455	455	456	456	**456**	8 24	466	10 59	446	9
463	461	459	459	460	460	460	460	462	462	9 3	470	16 59	457	10
477	480	479	479	480	478	478	477	479	474	16 10	480	0 8	465	11
465	470	473	470	471	471	470	470	470	472	8 20	490	11 0	449	12
460	463	462	460	461	460	460	461	460	461	0 10	470	10 16	442	13
457	461	462	463	466	465	465	467	467	459	23 40	468	10 40	**436**	14
475	475	469	470	470	471	471	470	471	471	12 44	478	4 10	468	15
463	465	465	466	467	467	466	465	467	465	8 5	479	11 20	447	†16
469	474	473	471	473	473	472	472	472	469	8 4	474	10 30	460	17
467	469	468	467	469	467	467	468	469	468	8 7	481	11 18	455	18
473	477	478	475	479	478	477	478	478	473	19 12	480	10 10	465	19
479	477	476	476	479	478	479	479	479	480	9 4	495	11 44	466	20
479	483	482	482	483	484	484	484	483	479	8 38	492	12 4	463	21
472	479	481	482	483	483	482	481	482	482	8 40	498	14 30	471	22
471	473	475	480	482	480	480	479	481	478	7 29	488	11 36	466	23
473	476	479	482	482	480	480	479	479	479	9 5	488	13 4	459	24
479	487	493	491	491	491	491	490	489	487	17 20	493	14 30	479	25
486	490	487	487	489	489	490	490	489	491	9 4	**514**	13 59	478	26
493	490	489	490	491	492	492	492	493	492	8 40	503	10 22	487	27
493	491	488	491	492	491	491	491	491	**494**	9 2	507	16 30	487	28
490	485	484	485	487	486	486	487	487	487	8 50	493	10 59	476	†29
484	487	484	485	485	485	485	485	486	485	9 6	493	13 4	473	†30
496	501	495	490	490	491	490	490	491	489	16 4	503	11 40	474	31
473	475	475	475	476	475	475	475	475	475					Mean.
475	477	476	477	477	477	477	477	477	478					†Mean.

*See foot note on page 111.
†Five international quiet days.
‡The readings refer to 9 minutes before the full hour of local mean time corresponding to a full hour of the Greenwich mean time (*vide* Introduction, page 6).

At Colaba, a day is classed as (1) a quiet day, or a day of (2) small, (3) moderate, (4) great or (5) very great disturbance, the letters for distinguishing each class being C, S, M, G and VG respectively. For representing intermediate conditions of activity of the smaller period movements, sub-classifications Ca, Sa and Ma are used. Roughly speaking a storm having a range over 225 γ in the variation of the horizontal force during the first twenty-four hours after its commencement is classed as "Very great". It is "Great" if the range is between 150 γ and 225 γ, "moderate" if the range is between 65 γ and 150 γ and "Small" if the range is less than 65 γ. The range is however not the only criterion used in assigning the character of a storm. The oscillations in the magnetograms are duly taken into account in determining the class to which a particular storm should belong. During the year there was only one storm, *viz.* of June 9th which was classed as 'very great'. The following table gives a list of principal disturbances recorded during the year :—

PRINCIPAL MAGNETIC DISTURBANCES, 1924.

Date.	Civil time of beginning.	Duration in hours.	Horizontal force during storm.				Range.	Relative magnitude.	Remarks.
			Maximum.		Minimum.				
			Time.	Magnitude.	Time.	Magnitude.			
	H. M.		D. H. M.	γ	D. H. M.	γ	γ		
January 3	6 0	23	3 6 46	37020	4 1 36	36961	59	M	Commencement gradual.
„ 10	1 0	29	10 10 8	37024	10 21 52	36910	114	Ma	Do.
„ 15	16 0	34	16 11 8	37013	16 18 26	36958	55	Sa	Do.
„ 22	18 0	58	23 10 48	37049	23 16 58	36953	96	Ma	Do.
„ 29	10 18	47	29 11 18	37044	30 1 4	36884	160	G	Commencement sudden.
February 5	11 0	39	5 13 28	37031	6 3 4	36943	88	M	Commencement gradual.
„ 16	10 0	39	16 11 40	37065	16 17 34	36974	91	M	Do.
„ 20	8 0	43	20 11 12	37039	20 21 16	36961	78	M	Do.
„ 22	7 0	45	23 10 14	37015	23 17 40	36972	43	M	Do.
March 2	19 0	30	3 10 24	37043	3 18 4	36942	101	M	Do.
„ 7	20 0	33	8 1 48	37027	9 3 20	36982	45	M	Do.
„ 30	4 0	29	30 10 42	37060	30 20 36	36964	96	M	Do.
April 6	12 59	38	6 13 8	37070	6 22 4	36988	82	Sa	Commencement sudden
„ 25	2 27	47	25 12 56	37076	26 18 8	36932	144	Ma	Do.
May 21	10 49	72	21 11 44	37101	22 15 52	36882	219	G	Do.
„ 28	7 0	20	28 8 2	37005	28 18 16	36951	54	Sa	Commencement gradual.
June 9	19 6	83	10 11 54	37083	10 22 56	36854	229	V.G.	Commencement sudden.
„ 18	11 49	57	18 12 8	37080	20 7 36	36986	94	Ma	Do.
July 9	16 14	18	9 11 10	37113	10 1 4	37019	94	Sa	Do.
„ 20	21 26	22	21 10 44	37072	21 15 4	36995	77	S	Do.
„ 25	10 0	76	25 10 50	37083	26 19 24	36977	106	Sa	Commencement gradual.
August 5	3 0	28	5 12 16	37082	6 0 11	37023	59	S	Do.
„ 29	23 38	36	30 13 56	37081	30 1 24	37013	68	S	Commencement sudden.
September 1	7 0	22	1 8 48	37079	2 0 28	37008	71	S	Commencement gradual.
„ 4	10 38	23	4 12 30	37076	4 18 49	37036	40	S	Commencement sudden.
„ 7	14 0	41	7 16 26	37086	8 1 30	36980	106	M	Commencement gradual.
„ 23	21 0	21	24 1 8	37059	24 8 12	36997	62	Sa	Do.
„ 27	6 0	24	27 11 12	37064	28 0 56	37007	57	S	Do.
October 7	12 53	28	8 10 8	37087	7 14 44	37018	69	Sa	Commencement sudden.
„ 15	15 22	37	16 11 28	37142	17 0 25	37049	93	Sa	Do.
„ 17	21 4	29	18 11 38	37069	18 18 48	36981	88	S	Do.
„ 23	3 0	68	23 11 44	37115	24 14 44	36926	189	Ma	Commencement gradual.
„ 27	17 0	15	27 17 16	37051	27 23 16	37016	35	S	Do.
			Nov.		Nov.				
„ 31	17 0	36	1 10 44	37091	1 5 16	37025	66	S	Do.
November 9	12 6	18	9 12 12	37089	10 1 26	37034	55	S	Commencement sudden.
„ 12	22 0	33	13 10 52	37078	13 20 8	37026	52	S	Commencement gradual.
„ 19	14 51	15	19 15 26	37091	19 19 25	36971	120	Ma	Commencement sudden.
„ 24	14 0	19	24 14 0	37056	24 22 40	36928	128	Ma	Commencement gradual.
„ 26	5 0	43	27 10 48	37090	27 1 40	37029	61	Sa	Do.
„ 28	4 0	47	28 11 8	37115	29 15 44	37021	94	Sa	Do.
December 12	3 46	32	13 10 20	37079	12 15 48	37030	49	Sa	Commencement sudden.
„ 20	12 0	43	20 12 38	37093	21 17 20	37004	89	Sa	Commencement gradual.

Fourier analysis of diurnal and annual variations of horizontal force for the five international quiet days during 1924.

Diurnal variation : $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$; θ is counted at the rate of 15° per hour from midnight to midnight (G. M. T.).

Annual variation : $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$; θ is counted at the rate of 30° per average month.

Quantity.	Diurnal Variation.												Annual Variation.
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sep.	Oct.	Nov.	Dec.	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
c_1	9·2	10·6	13·0	12·6	15·0	17·2	17·0	13·2	9·9	19·4	15·1	11·9	7·0
c_2	3·9	5·4	6·4	5·6	7·3	10·5	9·2	7·3	6·2	10·5	8·3	6·0	2·7
c_3	0.2	3·0	3·7	3·2	2.2	3·0	3.2	3·3	3·2	4·5	2·7	2·9	2·1
c_4	1·2	0·9	1·1	2·1	1·0	0·2	0·5	0·7	1·7	1·8	1·1	1·7	1·0
c_1/c_2	2·4	2·0	2·0	2·3	2·1	1·6	1·8	1·8	1·6	1·8	1·8	2·0	2·6
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
φ_1	350 59	348 47	349 18	342 15	352 35	359 22	352 56	345 12	321 3	351 32	358 29	357 56	307 34
φ_2	246 41	241 30	249 29	244 57	242 52	257 4	250 35	239 43	204 2	246 39	264 49	260 57	216 8
φ_3	350 0	144 13	158 46	182 40	166 56	157 57	150 30	143 50	126 39	167 52	188 46	185 4	304 32
φ_4	265 41	44 .7	88 28	109 34	111 35	22 23	112 1	75 46	77 13	90 38	125 29	96 32	354 24

Apparatus.—Milne-Shaw Seismograph (N.-S.) : Damping Ratio 20·6 : 1

	V	T_0	G	$\frac{r}{T_0^2}$
An	250	11·9	2·7	....

Date.	Phase.	Time G. M. T. H. M. S.	Period (Sec.)	Amplitude (μ) An.	Remarks.
1924.					
Jan. 5th	From	13 34 0			Tremors.
	To	13 59 0	...	..	
„ 7th	P	10 8 58	..	..	
	S	10 19 46	..	..	
	L	10 41 28	..	..	
	M	10 52 58	23	14	
	F	11 29 0	..	..	
„ 12th	From	12 23 0	..	..	Tremors.
	To	13 14 0	..	..	
„ 12th	From	14 16 0	..	..	Tremors.
	To	15 10 0	..	..	
„ 13th	From	23 15 0	..	..	Tremors.
	To	23 54 0	..	..	
„ 14th	P	21 0 29	..	..	
	S	21 8 42	..	..	
	L	21 20 49	..	..	
	M	21 28 12	13	30	
„ 15th	F	0 27 0	..	..	
„ 15th	From	3 17 0	..	..	Slight tremors.
	To	3 34 0	..	..	
„ 15th	From	20 0 0	..	..	Do.
	To	20 11 0	..	..	
„ 15th	P	20 10 55	..	..	Local shock.
	M	20 11 12	..	..	
	F	20 13 0	..	..	
„ 16th	Pe	21 58 58	..	..	Tremors.
	M	22 8 18	..	..	
	F	23 2 0	..	..	
„ 18th	P	15 0 44	..	..	
	S	15 4 16	..	..	
	L	15 6 21	..	..	
	M	..	..	..	Movements small.
	F	15 44 0	..	..	
„ 21st	Pe*	2 4 0	..	..	Lines are mixed up in Milne-Shaw.
„ 22nd	From	11 11 0	..	..	Tremors.
	To	12 9 0	..	..	

Date.	Phase.	Time G. M. T. H. M. S.	Period (Sec.)	Amplitude (μ) An.	Remarks.
1924—*contd.*					
Jan. 24th	From	15 41 0	..	..	Tremors.
	To	16 51 0	..	..	
„ 24th	P	18 40 8	..	..	
	S	18 42 46	..	..	
	L	18 44 24	..	..	
	M	18 44 32	7	11	
	F	19 39 0	..	..	
„ 25th	From	6 28 0	..	..	Tremors.
	To	8 17 0	..	..	
„ 26th	P	18 34 20	..	..	
	S	18 37 28	..	..	
	L	18 38 43	..	..	
	M	..	..	..	Movements very small.
	F	18 52 0	..	..	
„ 27th	From	4 33 0	..	..	Tremors.
	To	5 9 0	..	..	
„ 29th	From	3 0 0	..	..	Tremors.
	To	5 0 0	..	..	
„ 30th	P	0 10 4	..	..	
	S	0 13 30	..	..	
	L	0 15 30	..	..	
	M	0 17 56	4	15	
	F	1 9 0	..	..	
Feb. 2nd	From	22 44 0	..	..	Tremors.
	To	23 26 0	..	..	
„ 9th	Pe*	23 2 0	..	...	Milne-Shaw record lost due to extinction of light.
„ 11th	P	6 7 44	..	..	These figures are approximate as the lines are congested.
	S	6 16 0	..	..	
	L	6 30 0	..	..	
„ 13th	P	23 0 41	..	..	
	S	23 6 51	..	..	
	L	23 13 11	..	..	
	M	23 22 . 7	19	13	
„ 14th	F	0 34 0	..	..	

*From Omori.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
Feb. 14th	P	19 4 45	..	..	
	S	19 8 38	..	..	
	M	19 10 38	15	12	
	L	19 11 23	..	..	
	F	..	..	..	Cannot be exactly determined as the lines are congested.
„ 18th	P	17 11 14	..	..	
	S	17 17 6	..	..	
	L	17 23 9	..	..	
	M	17 31 7	19	20	
	F	18 39 0	..	..	
„ 18th	P	18 57 35	..	..	Tremors.
	M	18 59 24	..	..	
	F	19 12 0	..	..	
„ 19th	P	7 5 52	..	..	
	S	7 10 44	..	..	
	L	7 14 18	..	..	
	M	7 19 48	19	17	
	F	..	..	..	Mixed up in microseisms.
„ 26th	From	17 35 0	..	..	Feeble tremors.
	To	17 49 0	..	..	
„ 29th	P	8 50 21	..	..	
	S	9 0 50	..	..	
	L	9 21 46	..	..	
	M	9 28 46	15	4	
	F	10 39 0	..	..	
Mar. 4th	P	10 27 22	..	..	
	S	10 43 22	..	..	
	L	11 24 14	..	..	
	M	11 35 44	17	17	
	F	14 0 0	..	..	
„ 5th	P	4 35 3	..	..	
	S	4 38 48	..	..	
	L	4 41 10	..	..	
	M	4 42 10	..	..	
	F	5 55 0	..	..	
„ 11th	From	11 6 0	..	..	Tremors.
	To	12 59 0	..	..	
„ 14th	From	3 2 0	..	..	Tremors.
	To	3 39 0	..	..	
„ 15th	P	10 41 45	..	..	
	S	10 50 17	..	..	
	L	11 4 55	..	..	
	M	11 6 32	18	87	
	F	13 59 0	..	..	
1924—*contd.* Mar. 18th	P	19 42 43	..	..	
	S	19 48 58			
	M	..	..		Movements very small.
	F	20 29 0	..	..	
April 3rd	From	1 42 0	..	..	Feeble Tremors.
	To	1 59 0	..	..	
„ 3rd	P	2 52 43	..	..	Slight shock.
	M	2 57 52	..	..	
	F	3 18 43	..	..	
„ 13th	P	13 56 39	..	..	
	S	13 58 43	..	..	
	L	13 59 32	..	..	
	M	14 21 24	15	11	
	F	15 52 0	..	..	
„ 14th	P	16 29 53	..	..	
	S	16 37 32	..	..	
	M	16 47 0	33	1294	
	F	20 54 0	..	..	
„ 20th	P	14 31 43	..	..	
	S	14 35 36	..	..	
	L	14 38 7	..	..	
	M	14 48 1	10	11	
	F	16 14 0	..	..	
„ 21st	P	16 24 32	..	..	
	S	16 27 57	..	..	
	L	16 29 35	..	..	
	M	16 31 59	..	..	
	F	16 59 0	..	..	
„ 21st	P	20 20 26	..	..	
	S	20 24 7	..	..	
	L	20 26 11	..	..	
	M	..	..	..	Movements very small.
	F	22 14 0	..	..	
„ 25th	From	9 22 0	..	..	Tremors.
	To	9 34 0	..	..	
„ 25th	From	12 39 0	..	..	Tremors.
	To	12 50 0	..	..	
„ 25th	From	18 16 0	..	..	Tremors.
	To	19 19 0	..	..	
„ 27th	From	22 12 0	..	..	Tremors.
	To	22 19 0	..	..	
„ 28th	From	21 59 0	..	..	Tremors.
	To	22 49 0	..	..	
„ 29th	P	21 31 7	..	..	Small Tremor movements.
	M	21 39 42	15	7	
	F	22 19 0	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
April 30th	From	5 6 0	..	..	Large Tremors.
	To	6 59 0	..	..	
May 1st	P	20 13 55	..	..	
	S	20 17 40	..	..	
	L	20 19 51	..	..	
	M	21 8 10	..	..	
	F	22 49 0	..	..	
„ 4th	P	17 9 56	..	..	
	M	17 23 7	11	6	
	F	18 46 0	..	..	
„ 6th	From	3 56 0	..	..	Tremors.
	To	4 19 0	..	..	
„ 6th	P	16 17 51	..	..	
	S	16 23 40	..	..	
	L	16 29 29	..	..	
	M	16 41 55	13	22	
	F	18 14 0	..	..	
„ 7th	From	1 2 0	..	..	Tremors.
	To	1 24 0	..	..	
„ 27th	From	14 41 0	..	..	Very feeble tremors.
	To	14 55 0	..	..	
„ 28th	P	10 1 52	..	..	
	S	10 4 27	..	..	
	L	10 5 28			
	M	10 10 9	7	11	
	F	11 9 0	..	..	
„ 31st	P	12 22 25	..	..	
	M	12 44 21	..	..	
	F	13 28 44	..	..	
June 16th	P	19 51 11	..	..	
	S	19 52 41	..	..	
	L	19 53 18	..	..	
	M	19 51 26	..	..	Movements small
	F	19 56 0	..	..	
„ 22nd	P	16 50 47	..	..	Feeble shock.
	M	16 54 21	..	..	
	F	17 15 0	..	..	
„ 26th	P	1 51 29	..	..	
	S	2 2 19	..	..	
	L	2 25 27	..	..	
	M	2 32 59	15	143	
	F	5 52 0	..	..	
„ 30th	P	15 54 58	..	..	
	S	16 3 32	..	..	
	L	16 17 32	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
June 30th	M	16 20 20	19	59	
	F	..	..	..	Cannot be exactly determined owing to microseisms.
July 3rd	P*	4 45 2	..	..	*From Omori Milne-Shaw record lost while shifting papers.
	S	4 48 46	..	..	
	F	5 9 0	..	..	
„ 3rd	P	8 13 42	..	..	
	S	8 17 42	..	..	
	L	8 20 5	..	..	
	F	8 29 0	..	..	
„ 5th	P	15 6 54	..	..	
	S	15 10 58	..	..	
	L	15 13 28	..	..	
	F	15 41 0	..	..	
„ 5th	From	23 29 0	..	..	Tremors.
	To	23 49 0	..	..	
„ 6th	From	14 41 0	..	..	Tremors.
	To	16 29 0	..	..	
„ 6th	P	18 36 45	..	..	
	S	18 40 48	..	..	
	L	18 43 4	..	..	
	M	18 45 26	9	70	
	F	19 53 44	..	..	
„ 11th	P	19 49 9	..	..	
	S	19 53 17	..	..	
	Le	19 54 55			
	Fe	23 24 0			
„ 12th	P†	15 17 17	..	..	†From Omori Milne-Shaw record lost due to extinction of light.
	S	15 21 36	..	..	
	L	15 23 43	..	..	
	M	15 24 23	..	..	
	F	15 54 0	..	..	
„ 21st	P	0 47 50	..	..	
	M	0 50 15	..	..	
	F	.	..	..	Mixed up in microseisms.
„ 22nd	P	14 39 7	..	..	
	S	14 44 0	..	..	
	L	14 47 37	..	..	
	M	14 52 0	11	10	
	F	..	..	..	Mixed up in tremors.
„ 24th	P	5 13 22	..	..	
	S	5 22 24	..	..	
	L	5 38 32	..	..	
	M	5 50 43	21	44	
	F	7 27 0	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
July 29th	Pe	5 26 11	..	..	
	S	5 35 15	..	..	
	M	5 50 34	19	16	
	F	..	..	..	Mixed up in microseisms.
Aug. 1st	P	14 51 42	..	..	Feeble shock.
	M	14 54 50	..	..	
	F	15 0 44	..	..	
„ 10th	Pe*	6 22 0	..	..	*From Omori. Milne-Shaw record lost while shifting papers.
	Fe	7 31 0	..	..	
„ 13th	From	10 15 0	..	..	Tremors.
	To	10 39 0	..	..	
„ 13th	From	14 14 0	..	..	Tremors.
	To	14 49 0	..	..	
„ 14th	P	0 2 23	..	..	
	S	0 6 7	..	..	
	L	0 8 12	..	..	
	M	0 8 42	15	61	
	F	0 39 0	..	..	
„ 14th	From	1 29 0	..	..	Tremors.
	To	2 9 0	..	..	
„ 14th	P	18 12 59	..	..	
	S	18 21 33	..	..	
	L	18 36 55	..	..	
	M	18 42 10	16	40	
	F	21 14 0	..	..	
„ 17th	P	1 56 20	..	..	
	S	2 5 6	..	..	
	M	2 49 58	15	6	
	F	3 31 0	..	..	
„ 19th	From	15 16 0	..	..	Tremors.
	To	15 27 0	..	..	
„ 25th	P	2 33 15	..	..	
	Se	2 42 38	..	..	
	M	2 57 1	19	11	
	F	4 11 0	..	..	
„ 25th	P	14 41 21	..	..	
	S	14 49 59	..	..	
	L	15 4 36	..	..	
	M	15 9 19	15	6	
	F	16 37 0	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
Aug. 25th—*contd.*	P	23 18 35	..	..	
	S	23 28 5	..	..	
	L	23 46 5	..	..	
	M	23 54 35	17	4	
„ 26th	F	0 29 0	..	..	
„ 30th	P	3 14 21	..	..	
	S	3 21 43	..	..	
	M	3 42 23	19	64	
	F	5 25 0	..	..	
Sept. 2nd	P	22 6 38	..	..	Small shock.
	S	22 13 38	..	..	
	F	23 0 0	..	..	
„ 4th	From	9 54 0	..	..	Tremors.
	To	10 9 0	..	..	
„ 4th	From	16 17 0	..	..	Tremors.
	To	17 29 0	..	..	
„ 5th	From	7 10 0	..	..	Tremors.
	To	8 19 0	..	..	
„ 5th	From	15 5 0	..	..	Tremors.
	To	15 46 0	..	..	
„ 6th	From	5 3 0	..	..	Tremors.
		5 31 0	..	..	
„ 6th	P	19 50 20	..	..	
	S	20 0 24	..	..	
	F	20 34 0	..	..	
„ 7th	P	1 55 5	..	..	
	S	2 2 42	..	..	
	F	2 44 0	..	..	
„ 7th	P	19 51 25	..	..	
	F	20 19 0	..	..	
„ 9th	From	14 53 0	..	..	Tremors.
	To	15 39 0	..	..	
„ 10th	Pe	6 3 10	..	..	
	S	6 11 21	..	..	
	F	7 10 44	..	..	
„ 11th	Pe	3 23 0	..	..	
	Fe	4 35 0	..	..	
„ 12th	From	0 15 0	..	..	Tremors.
	To	0 29 0	..	..	
„ 12th	P	9 8 0	..	..	
	F	9 16 0	..	..	

Date.	Phase.	Time G. M. T.	Period. (Sec.)	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. S.			
Sept. 13th	P	14 40 57	..	..	
	S	14 46 29	..	..	
	L	14 50 59	..	..	
	M	14 55 10	29	591	
	F	17 9 0	..	..	
„ 13th	P	19 29 29	..	..	
	F	20 13 0	..	..	
„ 14th	P	13 25 43	..	..	
	S	13 36 8	..	..	
	L	13 57 3	..	..	
	M	13 59 43	20	18	
	F	16 15 0	..	..	
„ 16th	P	2 40 32	..	..	
	S	2 44 20	..	..	
	L	2 46 39	..	..	
	M	2 48 46	13	24	
	F	3 55 0	..	..	
„ 17th	P	10 25 3	..	..	
	M	10 28 30	..	..	
	F	10 51 0	..	..	
„ 18th	P	1 18 56	..	..	
	S	1 27 10	..	..	
	F	2 9 0	..	..	
„ 18th	From	22 14 0	..	..	Tremors.
	To	22 43 0	..	..	
„ 18th	From	23 39 0	..	..	Tremors.
	To	23 53 0	..	..	
„ 19th	From	0 42 0	..	..	Tremors.
	To	0 54 0	..	..	
„ 19th	From	1 54 0	..	..	Tremors.
	To	2 14 0	..	..	
„ 19th	From	3 15 0	..	..	Tremors.
	To	4 18 0	..	..	
„ 19th	From	7 37 0	..	..	Tremors.
	To	8 29 0	..	..	
„ 19th	From	11 18 0	..	..	Tremors.
	To	11 26 0	..	..	
„ 19th	From	13 31 0	..	..	Tremors.
	To	13 35 0	..	..	
„ 19th	From	14 37 0	..	..	Tremors.
	To	14 51 0	..	..	
„ 19th	From	16 21 0	..	..	Tremors.
	To	16 26 0	..	..	
„ 24th	From	16 10 0	..	..	Tremors.
	To	16 43 0	..	..	
1924—*contd.*		H. M. S.			
Sept. 24th—*contd.*—	From	19 13 0	..	..	Tremors.
	To	19 39 0	..	..	
„ 25th	From	5 6 0	..	..	Tremors.
	To	5 34 0	..	..	
„ 27th	From	4 10 0	..	..	Tremors.
	To	5 19 0	..	..	
„ 27th	From	13 9 0	..	..	Tremors.
	To	13 54 0	..	..	
„ 27th	From	22 18 0	..	..	
„ 28th	To	2 43 0	..	..	
Oct. 2nd	P	15 58 0	..	..	
	F	16 11 0	..	..	
„ 4th	From	6 54 0	..	..	Tremors.
	To	7 14 0	..	..	
„ 6th	Pe	6 30 55	..	..	
	S	6 39 21	..	..	
	F	7 29 0	..	..	
„ 8th	From	8 48 0	..	..	Tremors.
	To	8 54 0	..	..	
„ 8th	P	20 37 22	..	..	
	S	20 40 50	..	..	
	L	20 42 43	..	..	
	M	..	..	..	Cannot be determined as the traces are faint.
	F	22 19 0	..	..	
„ 12th	Pe	19 57 19	..	..	
	S	20 7 12	..	..	
	F	21 7 0	..	..	
„ 13th	From	1 53 0	..	..	Temors.
	To	2 1 0	..	..	
„ 13th	P	16 21 40	..	..	
	F	17 59 0	..	..	
„ 14th	From	5 19 0	..	..	Tremors.
	To	6 39 0	..	..	
„ 18th	From	20 3 0	..	..	Tremors.
	To	20 24 0	..	..	
„ 19th	From	0 39 0	..	..	Tremors.
	To	1 9 0	..	..	
„ 20th	P	20 4 29	..	..	
	S	20 14 14	..	..	
	L	20 32 44	..	..	
	M	20 40 36	19	54	
	F	22 39 0	..	..	
Oct. 25th	From	15 47 0	..	..	Tremors.
	To	15 59 0	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) An.	Remarks.
1924—*contd.*		H. M. T.			
Oct. 25th—*contd.*	From	19 33 0	..	..	Tremors.
	To	20 9 0	..	..	
,, 27th	From	10 0 0	..	..	Tremors.
	To	10 19 0	..	..	
,, 27th	P	20 6 15	..	..	
	S	20 13 28	..	..	
	M	20 13 32	12	8	
	L	20 22 51	..	..	
	F	21 34 0	..	..	
,, 31st	P	3 16 56	..	..	
	F	3 56 0	..	..	
Nov. 1st	From	6 15 0	..	..	Tremors.
	To	7 9 0	..	..	
,, 1st	From	9 32 0	..	..	Tremors.
	To	9 54 0	..	..	
,, 3rd	P	19 7 41	..	..	Small shock.
	S	19 11 26	..	..	
	F	19 39 41	..	..	
,, 6th	P	7 54 46	..	..	
	M	7 57 33	..	..	
	F	8 13 0	..	..	
,, 8th	P	9 11 51	..	..	
	F	9 49 0	..	..	
,, 13th	P	8 56 18	..	..	
	F	10 52 0	..	..	
,, 14th	From	17 51 0	..	..	Tremors.
	To	18 1 0	..	..	
,, 20th	Pe	20 36 0	..	..	
	Fe	21 44 0	..	..	
,, 24th	From	8 7 0	..	..	Tremors.
	To	8 54 0	..	..	
,, 25th	P	17 39 7	..	..	
	S	17 44 44	..	..	
	F	18 19 0	..	..	
,, 28th	From	12 29 0	..	..	Tremors.
	To	14 10 0	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) An.	Remarks.
1924—*concld.*		H. M. T.			
Nov. 28th—*concld.*	P	19 15 1	..	..	
	S	19 25 35	..	..	
	L	19 47 23	..	..	
	M	19 51 1	..	..	
	F	20 43 0	..	..	
Dec. 1st	From	6 15 0	..	..	Tremors.
	To	6 51 0	..	..	
,, 5th	P	9 45 41	..	..	
	S	9 53 15	..	..	
	F	..	..	..	End lost while changing paper.
,, 11th	P	17 38 43	..	..	
	S	17 47 0	..	..	
	L	17 59 43	..	..	
	M	18 1 54	17	20	
	F	19 46 0	..	..	
,, 11th	From	22 5 0	..	..	Tremors.
	To	23 41 0	..	..	
,, 12th	P	23 53 31	..	..	
,, 13th	S	0 0 31	..	..	
	L	0 9 42	..	..	
	F	1 49 0	..	..	
,, 15th	Pe	21 6 0	..	..	
	F	22 24 0	..	..	
,, 26th	P	23 52 19	..	..	
	S	23 55 23	..	..	
,, 27th	F	0 59 0	..	..	
,, 27th	P	11 32 26	..	..	
	S	11 40 58	..	..	
	M	11 42 12	13	20	
	L	11 55 52	..	..	
	F	13 2 0	..	..	
,, 28th	P	23 5 43	..	..	
	S	23 14 32	..	..	
	L	23 29 20	..	..	
	M	23 37 19	17	23	
	F	..	..	..	Mixed up in microseisms.

A=Amplitude in microns.

T=Period in seconds.

Derived from readings for the period of thirty minutes centering at the exact hour, local mean time.

Day.	January.								February.			
	0h.		6h.		12h.		18h.		0h.		6h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·7	15	0·9	13	0·8	12	0·5	12	0·5	12	1·0	14
2	0·5	12	0·5	12	0·9	13	0·9	13	0·7	15	0·6	14
3	0·5	12	0·5	12	1·1	15	1·1	15	0·7	15	0·7	15
4	0·6	13	0·6	13	..	..	..	..	0·6	13	0·6	14
5	..	..	..	..	1·1	12	1·1	12	0·7	15	0·7	15
6	0·8	12	0·8	12	0·8	12	1·1	12	0·7	15	0·7	15
7	0·8	12	0·8	12	..	..	1·1	15	0·7	15	0·7	15
8	0·7	15	0·7	15	1·2	16	1·6	16	0·9	17	0·7	16
9	0·7	15	0·7	15	1·1	15	1·4	15	0·7	15	0·7	15
10	0·7	15	0·7	15	1·2	16	1·2	16	..	..	..	..
11	0·6	13	0·6	13	1·1	15	1·1	15	0·7	15	0·7	15
12	0·7	15	0·7	15	1·1	15	1·1	15	..	..	1·1	15
13	0·8	16	..	..	1·2	16	1·6	16	0·7	15	1·3	17
14	0·7	15	0·7	15	0·7	15	1·1	15	0·7	15	0·7	15
15	0·7	15	0·7	15	0·7	15	0·7	15	..	..	..	..
16	0·6	13	0·6	13	1·1	15	1·1	15	0·6	14	..	..
17	0·7	15	0·7	15	0·7	15	1·1	15	1·1	15	0·9	17
18	0·7	15	0·7	15	1·1	15	1·1	15	0·6	14	0·6	14
19	0·7	15	0·7	15	1·3	17	1·3	17	..	..	0·7	15
20	0·7	15	0·9	13	1·3	17	1·7	17	0·7	15	0·6	13
21	1·1	15	1·4	15	1·4	15	1·1	15	0·9	17	0·7	15
22	1·1	15	1·4	15	1·4	15	1·4	15	0·9	17	0·7	15
23	0·7	15	0·7	15	1·4	15	1·4	15	0·7	15	0·7	15
24	0·7	15	1·1	15	1·7	17	2·3	20	0·7	15	0·5	11
25	0·7	15	1·1	15	1·1	15	1·1	15	0·5	10	0·4	8
26	0·8	16	1·2	16	0·9	13	1·2	13	0·5	10	0·5	10
27	0·7	15	1·1	15	1·4	15	1·4	15	0·5	10	0·5	10
28	0·7	15	0·7	15	0·9	13	1·2	13	0·5	9	0·4	8
29	0·6	13	0·9	13	1·1	15	1·1	15	0·5	9	0·5	9
30	0·7	15	0·7	15	1·4	15	1·4	15	..	..	..	..
31	0·7	15	0·7	15	1·4	15	1·4	15	..	..	..	..
Mean	A=1·0μ				T=14·5s				A=0·9μ			

Day.	April.								May.			
	0h.		6h.		12h.		18h.		0h.		6h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·7	15	0·7	15	1·1	15	0·9	13	0·5	10	0·5	10
2	0·7	15	0·6	13	0·7	15	1·1	15	0·5	10	0·5	10
3	0·7	15	0·6	13	0·6	14	0·9	13	0·5	10	0·5	10
4	0·6	13	0·5	12	0·9	13	0·9	13	0·5	10	0·5	10
5	0·5	12	0·5	12	1·0	14	0·9	13	0·5	10	0·5	10
6	0·6	13	0·6	13	0·9	13	0·8	12	0·5	10	0·5	10
7	0·6	13	0·6	14	0·9	13	1·0	14	0·5	10	..	..
8	0·7	15	0·6	13	2·9	20	1·0	14	0·5	9	0·5	9
9	0·7	15	0·7	15	0·9	13	1·1	15	0·5	9	0·5	9
10	0·6	13	0·6	13	0·9	13	0·9	13	0·5	10	0·5	10
11	0·8	12	0·5	12	0·8	12	0·9	13	0·5	9	0·5	10
12	0·6	13	0·6	14	0·8	12	0·8	12	0·5	9	0·5	9
13	..	..	0·5	12	0·8	12	0·8	12	0·5	10	0·5	10
14	0·8	12	0·5	12	0·8	12	0·8	12	0·5	10	0·5	9
15	0·6	11	0·5	10	0·8	11	0·8	12	0·5	10	0·5	10
16	0·5	12	0·5	12	0·9	13	0·8	12	0·7	9	0·4	8
17	0·5	11	0·5	11	1·0	14	0·9	13	0·6	8	0·4	8
18	0·5	12	0·5	12	0·9	13	0·9	13	0·4	8	0·4	8
19	0·5	12	0·5	12	1·0	14	0·6	13	0·4	8	0·4	8
20	0·5	12	0·5	12	0·9	13	0·9	13	0·4	7	0·4	7
21	0·5	12	0·5	12	0·9	13	0·9	13	0·4	8	0·4	8
22	0·5	10	0·5	11	0·9	13	0·8	12	0·4	8	0·4	8
23	0·5	10	0·5	10	0·8	12	0·8	12	0·4	7	0·4	7
24	0·5	10	0·5	10	0·8	12	0·8	12	0·4	7	0·4	7
25	0·5	10	0·5	10	0·8	12	0·9	13	0·4	7	0·4	7
26	0·5	11	0·5	11	0·9	13	0·9	13	0·4	7	0·4	7
27	0·5	11	0·5	11	0·8	12	0·8	12	0·4	7	0·4	7
28	0·5	11	0·5	10	0·8	12	0·8	11	0·4	7	0·6	7
29	0·5	10	0·5	10	0·8	12	0·8	11	0·4	7	0·4	7
30	0·5	10	0·5	10	..	..	0·8	12	0·4	7	0·4	7
31	..	..	..	..	..	..	..	..	0·4	7	0·4	7
Mean	A=0·7μ				T=12·4s				A=0·6μ			

NOTE:—The symbol .. indicates that microseisms were

A=Amplitude in microns.

T=Period in seconds.

Derived from readings for the period of thirty minutes centering at the exact hour, local mean time.

February—(*contd.*)				March.								Day.
12h.		18h.		0h.		6h.		12h.		18h.		
A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	
μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	
1·4	15	1·1	15	0·4	8	0·4	8	0·8	12	0·9	13	1
1·3	14	1·4	15	0·6	13	0·5	12	1·4	15	1·1	15	2
1·4	15	1·1	15	0·5	10	0·5	11	1·5	15	0·9	13	3
1·6	16	2·3	20	0·5	10	0·5	10	1·1	15	..	..	4
1·3	14	1·1	15	0·5	11	0·5	10	1·1	15	0·7	15	5
1·2	13	1·1	15	0·7	15	0·7	15	1·4	15	1·1	15	6
0·7	15	1·4	18	0·7	15	1·1	15	1·3	17	1·1	15	7
..	..	1·1	15	0·5	12	0·5	12	1·4	15	1·2	16	8
1·0	18	..	..	0·5	12	0·6	14	1·4	15	1·1	15	9
1·1	15	..	..	..	..	0·5	12	1·7	17	3·4	20	10
..	..	1·4	15	0·5	10	0·5	12	1·1	15	..	..	11
1·1	15	1·2	13	0·5	11	0·5	12	1·1	15	0·6	13	12
1·4	15	1·1	15	0·5	10	0·5	10	1·4	15	1·7	17	13
1·4	15	1·1	15	1·4	15	0·5	10	1·0	14	1·0	14	14
1·1	15	1·4	15	0·5	12	0·5	10	1·1	15	..	..	15
1·4	15	1·1	15	0·5	10	0·5	10	1·1	15	1·1	15	16
1·0	14	1·0	14	0·5	12	0·6	13	0·7	15	0·7	15	17
1·0	14	0·7	15	0·6	13	..	..	1·0	14	1·0	14	18
0·9	13	0·9	13	0·6	13	0·5	12	0·9	13	1·0	14	19
1·4	15	1·4	15	0·5	12	0·5	12	1·1	15	1·4	15	20
1·4	15	1·1	15	..	..	0·5	12	1·4	15	1·2	13	21
1·4	15	1·1	15	0·5	10	0·5	12	1·1	15	0·8	12	22
1·3	14	1·1	15	0·5	10	0·5	11	1·1	15	1·3	17	23
1·1	15	0·5	10	0·5	10	0·5	10	1·1	15	1·1	15	24
0·9	13	0·7	10	0·5	10	0·5	10	1·2	16	1·4	15	25
0·8	12	1·4	15	0·5	12	0·5	10	1·1	15	1·2	16	26
0·8	12	0·7	9	0·6	13	0·5	12	1·1	15	0·9	13	27
1·4	15	0·7	10	0·7	15	0·6	13	1·1	15	1·1	15	28
1·0	14	0·6	13	0·7	15	0·7	15	0·9	13	1·1	15	29
..	..	..	..	0·7	15	0·7	15	0·9	13	0·9	13	30
..	..	..	..	0·6	13	0·6	13	1·1	15	0·5	12	31
T=14·0s				A=0·8μ T=13·2s								Mean.

May—(*contd.*)				June.								Day.
12h.		18h		0h.		6h.		12h.		18h		
A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	
μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	
0·8	12	1·0	10	0·6	8	0·6	8	0·6	8	0·6	8	1
..	..	0·7	9	0·6	8	0·6	8	0·6	8	0·7	9	2
0·8	12	0·7	10	0·7	9	0·7	9	0·9	9	0·9	9	3
0·9	13	0·5	10	0·7	9	0·7	9	0·9	8	0·9	8	4
0·8	12	0·8	12	0·4	8	0·4	8	0·9	8	0·9	8	5
0·8	11	0·8	11	0·6	8	0·6	8	0·9	9	0·9	9	6
0·7	9	0·8	12	0·7	9	0·7	9	..	..	0·7	9	7
..	..	0·7	10	0·6	8	0·6	8	0·7	9	0·7	9	8
0·7	10	0·5	10	0·6	8	0·6	8	0·7	9	0·7	9	9
..	..	0·5	9	0·5	10	0·7	10	0·6	8	0·6	8	10
0·5	10	0·8	12	0·4	8	0·4	8	0·6	8	0·9	8	11
0·7	10	0·7	10	0·4	7	0·6	7	0·8	6	1·0	6	12
0·7	10	0·8	12	1·0	6	1·0	6	1·0	6	1·2	6	13
0·7	9	0·7	10	1·2	6	1·2	6	1·2	6	1·4	6	14
0·7	9	0·7	10	1·4	6	1·2	6	1·2	6	1·2	6	15
0·6	8	0·7	9	1·4	6	1·4	6	1·2	6	1·2	6	16
0·6	8	0·6	8	1·2	6	1·2	6	1·2	6	1·2	6	17
0·6	8	0·6	8	1·2	6	1·2	5·5	1·2	6	1·2	6	18
0·6	8	0·6	8	1·2	6	1·2	6	1·2	5	1·2	5	19
0·6	8	0·6	8	1·2	6	1·2	6	1·2	6	1·2	6	20
0·6	8	0·7	10	1·2	6	0·8	6	0·8	6	1·0	6	21
0·6	7	0·6	8	0·8	6	0·8	6	0·8	6	1·0	6	22
0·6	7	0·6	7	0·8	6	0·8	5	1·0	6	1·0	6	23
0·8	7	0·8	7	1·0	6	1·0	6	1·0	6	1·0	6	24
0·6	7	0·8	7	1·0	6	1·0	6	..	..	1·0	6	25
0·8	7	0·8	7	1·2	6	1·0	6	1·0	6	1·0	6	26
0·6	7	0·8	7	1·0	6	1·0	6	1·2	6	1·2	6	27
0·8	7	0·8	7	1·0	6	1·0	6	1·0	6	1·0	6	28
0·6	7	0·8	7	1·2	6	1·2	6	1·2	5	1·2	5·5	29
0·6	7	0·6	7	1·0	6	1·0	6	..	..	..	..	30
0·6	7	0·8	7	..	..	..	..	..	..	..	..	31
T=8·7s				A=0·9μ T=6·8s								Mean

not measured, either by reason of occurrence of earthquake or lack of record.

A=Amplitude in microns.
T=Period in seconds.

Derived from readings for the period of thirty minutes centering at the exact hour, local mean time.

Day.	July.								August.			
	0h.		6h.		12h.		18h.		0h.		6h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	..	..	1·2	6	1·2	5	0·8	5	0·8	5	1·0	6
2	0·4	6	1·2	5	..	..	1·2	6	1·2	6	1·7	7·5
3	1·2	6	1·2	6	..	..	0·4	7	0·8	6	0·8	6
4	0·4	6	0·8	6	0·8	6	0·8	6	1·6	6	1·3	7
5	0·8	6	1·2	6	0·8	6	0·8	7	1·2	6·5	1·3	7
6	0·4	5	0·8	6	0·4	6	0·4	6	1·3	7	0·8	7·5
7	..	..	..	..	1·2	6	..	..	1·2	6	0·8	6
8	0·8	6	0·4	6	0·8	7	0·8	7	0·9	9	1·2	6
9	0·8	7	..	..	0·8	6	0·8	6	1·6	6	1·7	7
10	0·8	6	0·4	6	0·8	6	0·8	6	1·2	5	1·2	5
11	0·4	6	0·8	5	0·8	6	0·8	7	0·8	6	1·2	6
12	0·8	6	0·8	5	0·8	6	0·8	6	0·8	5·5	0·8	6
13	0·8	6	0·8	6	0·8	6	0·8	6	0·4	5	0·4	5·5
14	0·8	6	0·8	6	0·8	6	0·4	6	0·4	5·5	0·4	6
15	0·4	6	0·8	7	0·8	6	1·4	6	0·4	6	0·4	6
16	1·2	6	1·6	6	1·2	6	0·8	6	0·4	5·5	0·4	6
17	0·8	6	1·3	7	0·8	6	1·2	6	0·4	5·5	0·4	5
18	0·4	7	0·4	7	0·4	6	0·4	7	0·4	5·5	0·4	6
19	0·4	8	1·2	6	0·4	7	..	..	0·4	6	0·4	5
20	1·0	6	2·0	6	0·8	7	0·8	7	0·4	5·5	0·4	6
21	0·4	7	0·8	6	0·4	7	0·4	6	0·4	5	0·4	6
22	0·4	6	0·8	6	0·4	6	0·8	6	0·4	6	0·4	6
23	0·8	7	0·8	6	0·8	7	0·8	7	0·4	7	0·4	6·5
24	0·8	7	0·9	8	0·9	8	0·8	7	0·4	5·5	0·4	5
25	1·3	7	1·3	7	1·3	7	1·3	7	0·8	5	0·4	5·5
26	1·3	7	1·3	7	1·3	7	1·3	7	0·4	5·5	0·4	5
27	1·3	7	1·5	8	1·3	8	1·3	8	0·4	5·5	0·4	4·5
28	1·3	7	1·5	7	1·3	7	1·3	7	..	..	..	..
29	1·5	7	1·5	7	1·3	7	1·3	7	..	..	..	..
30	1·3	8	1·3	7	1·7	7	1·3	7	1·2	4	1·3	7·5
31	1·3	7	1·3	7	1·3	7	..	..	1·2	6	1·4	6
Mean	A=0·9h				T=6·5s				A=0·7μ			

Day.	October.								November.			
	0h.		6h.		12h.		18h.		0h.		6h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·9	8	0·4	6	0·9	8	0·4	8	0·6	7·5	0·6	7·5
2	0·4	7	0·4	7	0·4	7	0·4	8	0·8	7·5	0·7	8·5
3	0·4	7	0·4	7	0·4	7	0·4	7	0·5	8·5	0·5	8·5
4	0·8	7	0·4	7	0·4	7	0·8	7	1·0	10	0·9	9
5	0·8	7	1·3	8	0·9	8	0·8	7	0·4	7·5	0·5	10
6	0·8	7	0·8	7	0·4	8	0·4	7	0·9	8	0·9	8
7	0·4	7	0·4	7	0·4	8	0·9	8	..	..	0·8	7·5
8	0·4	8	0·4	7	0·4	8	0·8	7	0·9	9	1·5	10·5
9	0·4	7	0·4	8	0·4	7	0·4	8	0·9	9	1·2	10
10	0·8	7	0·8	7	0·4	7	0·4	7	1·1	9	0·7	10
11	0·4	8	0·9	8	0·4	7	0·4	8	0·9	9	1·0	7·5
12	0·9	8	0·8	7	1·3	8	0·8	7	0·9	9	0·6	7·5
13	1·7	8	1·3	8	0·8	7	0·8	7	0·9	9	0·9	9
14	1·3	7	1·3	7	0·8	7	0·8	7	0·8	7·5	0·9	9
15	0·4	8	0·9	8	0·4	7	0·8	6	0·9	9	1·1	9·5
16	0·4	6	0·4	7	0·8	7	0·9	8	0·5	10	0·9	9
17	0·8	7	0·8	7	0·8	7	1·3	7	0·6	7·5	0·6	7·5
18	0·8	7	1·3	7	0·4	8	0·4	7	0·8	7·5	0·8	7·5
19	0·4	8	1·0	10	0·9	8	0·9	8	0·4	7·5	0·4	7·5
20	0·8	7	1·3	8	0·8	6	0·8	7	0·4	8	0·5	8·5
21	1·3	7	1·3	8	0·9	8	0·9	8	0·5	9	0·5	9
22	0·8	7	0·9	8	1·3	8	1·3	7	0·5	9	0·7	9
23	1·3	7	1·3	7	1·3	7	0·9	8	0·5	10	0·5	10
24	1·3	7	1·3	7	0·8	7	1·3	7	0·5	10	0·5	9
25	0·8	7	1·3	7	0·4	8	0·4	7	0·5	9	0·5	10
26	0·4	8	0·4	7	0·4	6	0·9	8	0·5	10	0·5	9
27	1·3	8	0·8	7	0·4	8	0·4	7	0·5	10	0·5	11
28	0·4	7	1·2	6	0·9	8	0·9	8	0·5	10	0·7	9
29	0·8	7	0·9	8	0·8	7	0·8	7	0·5	9	0·7	10
30	1·3	7	1·3	7	0·8	7	0·8	6	0·5	9	0·7	10
31	0·8	7	0·8	6	0·4	7	0·4	7	..	..	..	..
Mean	A=0·8μ				T=7·3s				A=0·7μ			

NOTE :—The symbol .. indicates that microseisms were

A=Amplitude in microns.
T=Period in seconds

Derived from readings for the period of thirty minutes centering at the exact hour, local mean time.

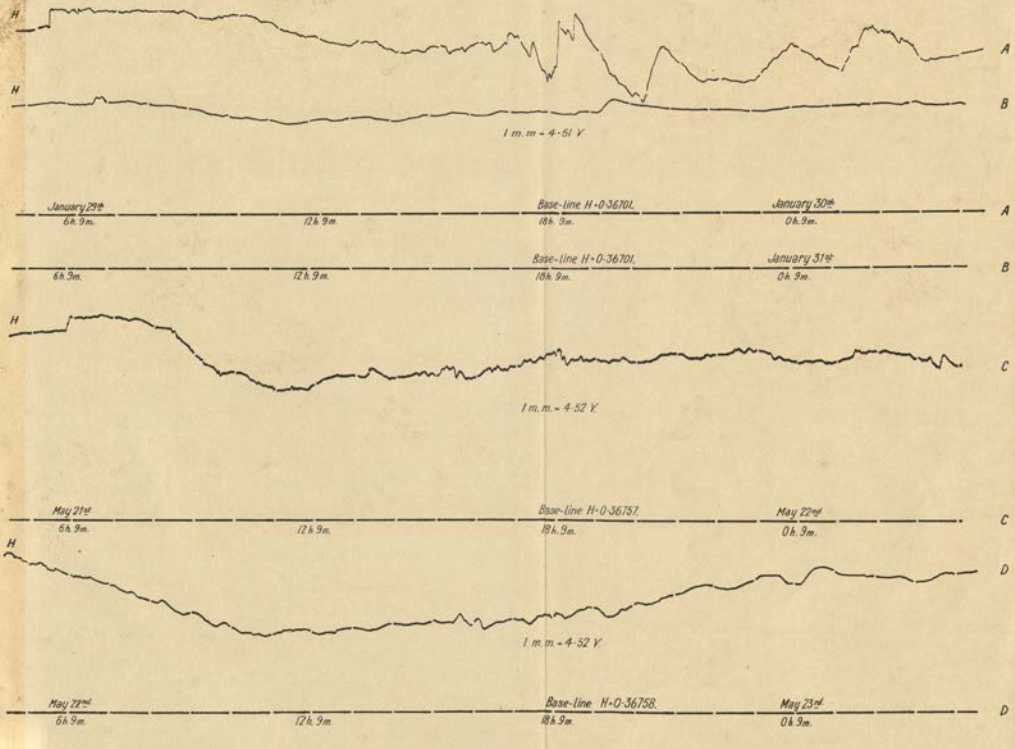
August—(*contd.*)						September.						
12h.		18h.		0h.		6h.		12h.		18h.		Day.
A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	
μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	
0·8	7·5	1·3	7	..	..	..	..	0·4	4·5	0·4	7·5	1
1·3	7·5	..	..	0·4	5	0·4	5·5	0·6	6	0·4	5	2
0·8	7·5	1·2	6	0·4	5·5	0·4	5·5	0·4	4·5	0.4	4·5	3
1·2	6	0·8	7	0·4	5	0·4	6	0·4	6·5	0·4	6·5	4
1·3	7·5	0·8	6	0·4	7	0·4	6·5	0·5	9	0·4	6	5
0·8	7	1·3	7	0·4	5·5	0·4	6	0·4	5·5	0·4	6	6
0·8	7·5	1·3	7·5	0·4	6·5	0·4	5·5	0·4	6.5	0·4	5·5	7
1·3	7·5	..	..	0·4	6·5	0·4	6	0·4	5·5	0·4	6	8
1·2	5	0·8	6	0·4	6	0·4	6	0·6	6·5	0·4	6·5	9
0·3	7·5	0·8	6	0·7	9	0·4	5·5	0·4	6·5	0·4	5·5	10
0·6	5·5	0·6	5·5	0·8	6	0·7	9	0·4	6·5	0·4	7	11
0·4	5·5	0·4	5	0·6	6	0·4	5·5	0·4	7·5	0·4	6	12
0·6	6	0·6	6	0·4	7	0·4	6·5	0·4	7	0·4	7	13
0·6	6	0·6	6	0·4	7	0·4	7	0·4	6·5	0·4	7·5	14
0·4	5	0·4	6	0·4	6·5	0·6	6	0·4	7	0·4	7	15
0·4	5	0·4	6	0·4	6·5	0·6	6	0·4	6	0·4	5·5	16
0·4	6	0·4	6	0·4	7	0·6	7·5	0·4	6	0·4	6·5	17
0·4	7·5	0·4	6	0·8	7·5	0·7	9	0·5	9	0·5	9	18
0·4	7	0·4	5	0·5	9	0·4	7·5	0·5	9	0·5	9	19
0·4	5·5	0·4	5	0·5	8·5	0·4	7·5	0·5	9	0·5	10	20
0·4	5·5	0·4	6	0·5	10	0·4	8	0·4	7·5	0·5	9	21
0·4	6	0·4	7	0·5	10	0·5	9	0·5	10	0·8	12	22
0·4	6·5	0·4	5·5	0·5	10	0·7	9	0·5	10	0·5	12	23
0·6	5·5	0·4	5·5	0·5	10	0·7	10	0·5	10	0·5	10	24
0·4	6	0·4	5·5	0·5	9	0·9	9	0·5	9	0·5	10	25
0·4	6	0·4	5	0·5	9	0·5	9	0·5	9	0·5	9	26
0·4	5·5	0·4	5·5	0·5	9	0·4	7·5	0·5	9	0·4	7·5	27
0·8	6	1·2	5·5	0·6	6	0·9	9	0·6	7·5	1·0	10	28
1·2	6	1·2	5	..	..	..	..	0·5	10	0·7	10	29
1·2	5	1·0	5	0·4	7·5	0·5	10	0·5	8·5	0·5	10	30
..	..	..	..	..	..	..	..	..	..	..	..	31
T. =6.0s.						A. =0·5μ		T. =7·5s.				Mean.

November—(*contd.*)				December.								
12h.		18h.		0h.		6h.		12h.		18h.		Day.
A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	
μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	
0·9	9	0·9	9·5	0·9	9	0·9	8	0·9	9	0·8	7	1
0·4	7·5	0·4	7·5	0·9	8	0·9	8	0·9	8	0·9	8	2
..	..	0·5	9	0·9	8	0·9	8	..	..	0·8	7	3
0·5	9	0·5	10	0·9	8	0·9	9	0·8	7	0·4	8	4
0·5	9	1·0	10	0·5	8·5	0·5	10	0·5	9	0·9	8	5
0·4	8	1·2	10	1·4	8·5	0·9	9	0·5	9	0·4	8	6
1·3	7·5	1·0	10	0·5	9	0·5	10	0·5	10	0·8	7	7
0·7	10	1·2	10	0·9	9	0·9	9	0·4	7	0·8	7	8
1·0	10	1·2	10	0·9	9	1·0	10	1·0	10	0·9	8	9
0·9	9	0·9	9	0·9	9	1·0	10	1·0	10	0·8	7	10
0·8	7·5	1·0	10	..	..	..	..	0·4	7	0·9	8	11
1·0	10	1·1	9	2·9	20	0·9	8	1·3	8	0·9	8	12
1·0	7·5	0·6	7·5	1·0	10	1·0	10	0·8	7	1·0	10	13
0·7	9	0·9	9	1·0	10	0·9	8	1·0	10	1·0	10	14
0·9	9	1·0	10	1·4	9	0·9	8	1·4	10	1·4	10	15
0·4	7·5	0·8	7·5	1·0	10	0·9	8	0·5	8·5	0·7	10	16
0·8	7·5	1·1	9	0·5	10	..	..	0·5	8·5	0·7	9·5	17
0·9	8·5	0·7	9	0·5	11	0·5	11	0·5	10	1·0	10	18
0·6	7·5	0·6	8	1·0	10	0·5	9	..	..	1·4	10	19
0·6	8	0·6	8	1·4	10	1·4	9	0·5	10	0·4	8	20
0·7	8·5	0·5	8·5	0·5	10	0·5	10	0·5	10	0·5	10	21
0·7	9	0·5	8·5	0·5	11	..	..	..	..	0·5	10	22
0·7	9	0·4	7·5	0·5	11	0·9	8	1·3	8	1·3	8	23
0·5	10	0·5	9	1·4	10	0·9	9	0·5	10	0·5	10	24
0·5	9	0·5	10	0·5	10	0·5	10	0·5	12	1·0	10	25
0·5	10	0·8	11	1·0	10	1·0	10	1·0	10	1·0	11	26
0·5	10	0·5	12	1·4	10	1·0	10	1·0	11	1·1	12	27
0·5	9	..	..	1·5	11	1·4	10	1·0	10	1·5	11	28
0·5	9	0·8	11	1·0	10	..	..	1·0	10	1·1	12	29
0·6	8	0·5	10	0·5	10	1·0	10	1·0	11	1·1	12	30
..	..	..	..	0·5	11	1·0	11	1·0	10	1·1	12	31
T. =8·8s.						A. =0.9μ		T. =9.3s.				Mean.

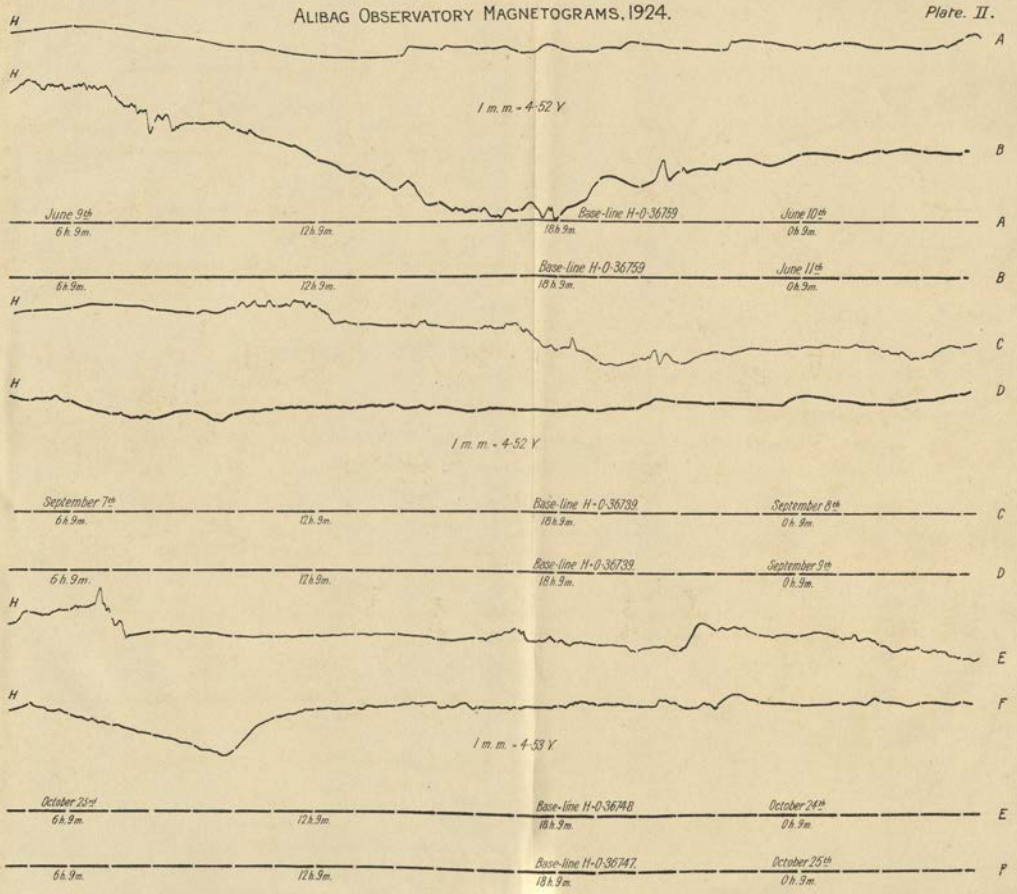
* not measured, either by reason of occurrence of earthquake or lack of record.

GIPD—290 CPB(P)—11-9-29—250.

ALIBAG OBSERVATORY MAGNETOGRAMS, 1924.

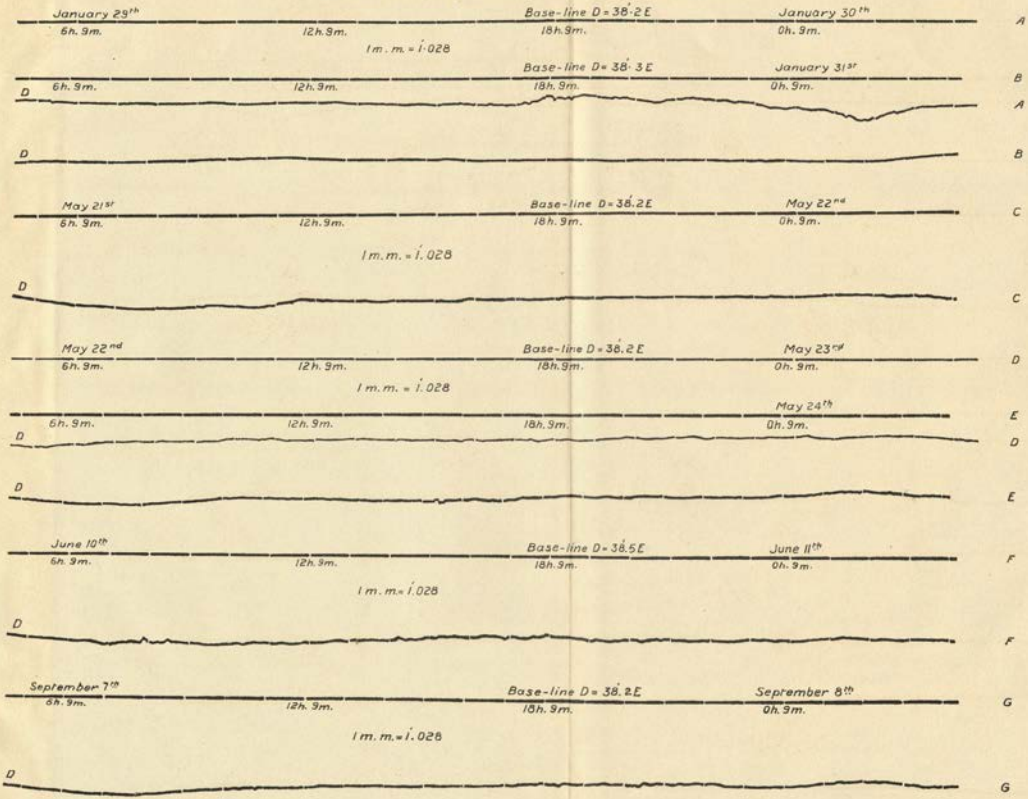


ALIBAG OBSERVATORY MAGNETOGRAMS, 1924.



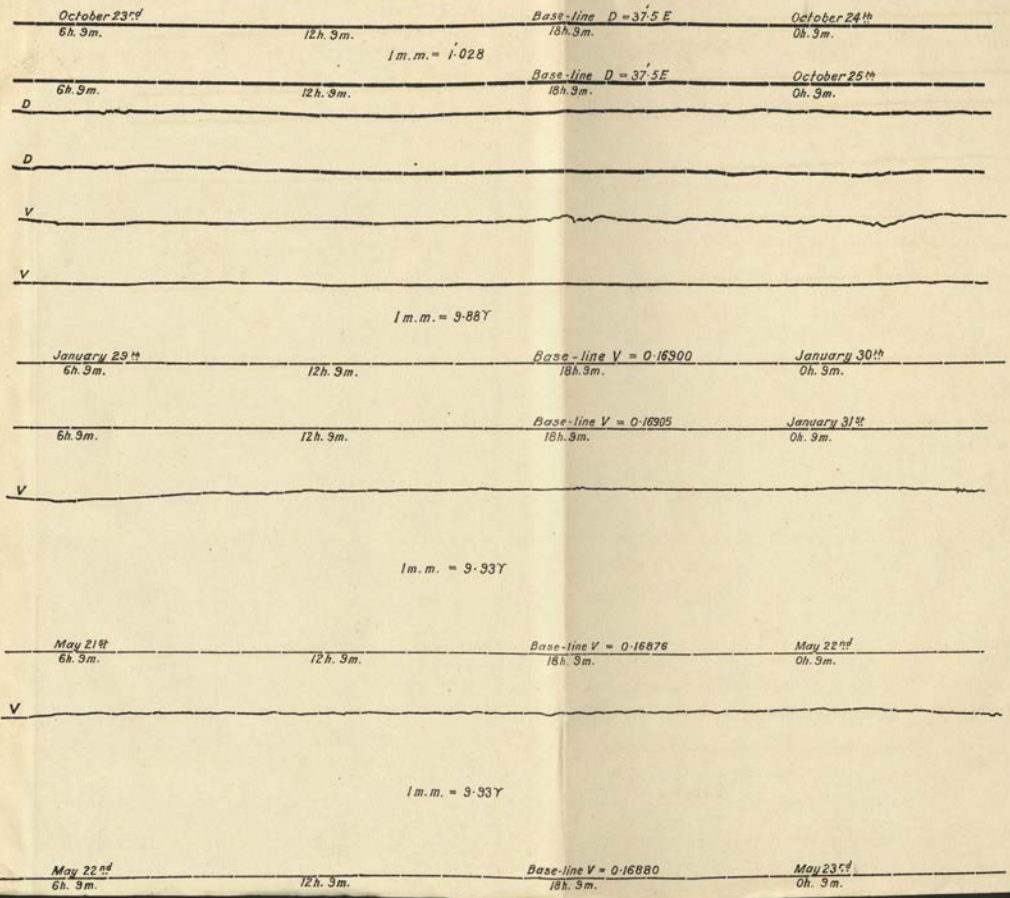
ALIBAG OBSERVATORY MAGNETOGRAMS, 1924.

Plate III

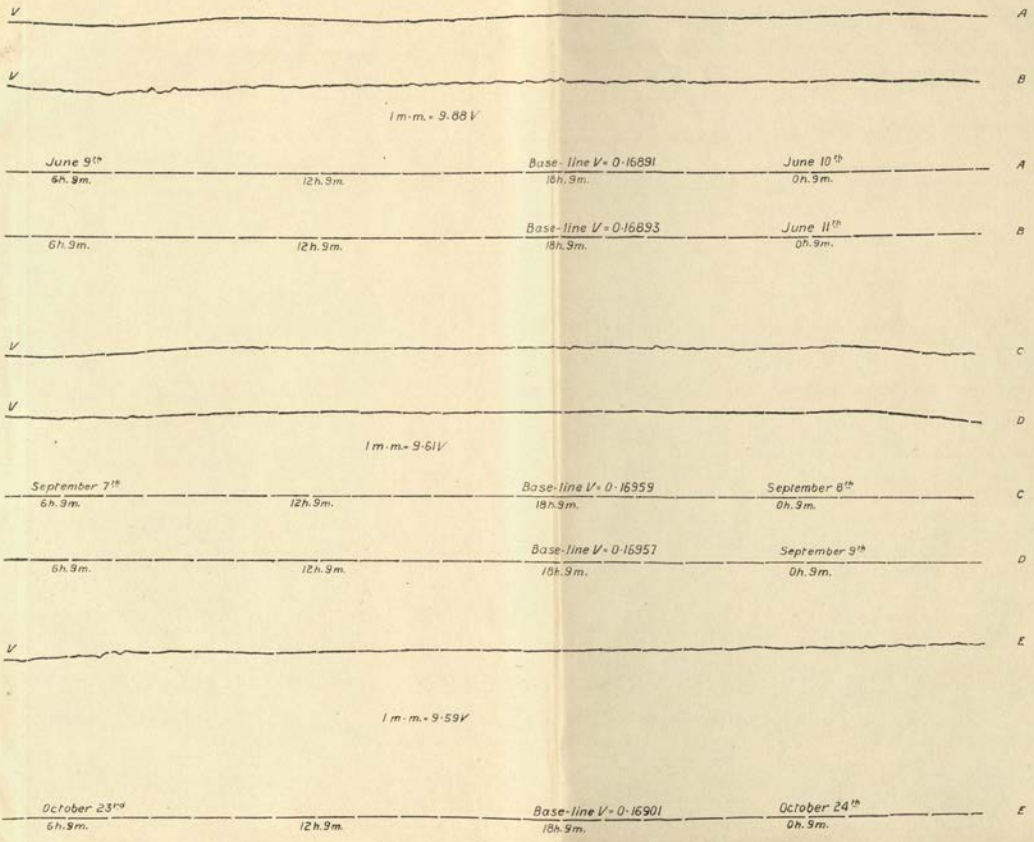


ALIBAG OBSERVATORY MAGNETOGRAMS, 1924.

Plate IV.



Alibag Observatory Magnetograms, 1924.



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